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SURFACE OBSERVATION CLIMATIC SUMMARIES

FOR

COLEMAN AAF, GERMANY

Prepared by

OL-A, USAFETAC
ASHEVILLE, NORTH CAROLINA
28801-2723



OCTOBER 1991

92-06480



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- 12A. DISTRIBUTION/AVAILABILITY STATEMENT: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.
13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). "SUMMARY OF DAY" (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.
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PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCS (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCS NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SFCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCS." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.

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*** NOTE: THE AWS CLIMATIC BRIEF IS ATTACHED AT THE END OF THE SOCS ***

INTRODUCTION

STATION PERIOD OF RECORD.

HOURLY OBSERVATIONS: OCT 80 - SEP 90 (METAR).

SUMMARY OF DAY DATA: SEP 65 - MAY 66, NOV 66 - NOV 67, AUG 68 - SEP 90 (PART TIME).

HOURS SUMMARIZED: 0500 LST THROUGH 2200 LST.

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY. NOTE: EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS ARE NOT REFLECTED IN THESE SUMMARIES.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

NOTE 1. DURING PART TIME PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE SIGNIFICANT SHORTFALLS IN OBSERVATION COUNTS.

ABBREVIATIONS USED:

AMT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	M	METER
BARO	BAROMETER	MB	MILLIBAR
C	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DEGREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	NUMBER
EQ	EQUAL	OBS	OBSERVATION
F	FAHRENHEIT	OBST	OBSTRUCTION
FRZG	FREEZING	POF	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRECIPITATION
GE	GREATER THAN OR EQUAL TO	SD	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SOD	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HG	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSBY	VISIBILITY
KTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WBAN	AWS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

* UTC REPLACED GMT ON 1 AUGUST 1988

NOTE: OL-A/USAFETAC DERIVES STATION LATITUDE/LONGITUDE COORDINATES AND AIRFIELD ELEVATION DATA FROM THE AWS MASTER STATION CATALOG. THIS INFORMATION IS PRESENTED ON THE AWS CLIMATIC BRIEF FOR EACH STATION. THE STATION DATA MAY DIFFER FROM INFORMATION CONTAINED IN THE SOCS STATION HISTORY (DATA SUPPLIED BY AWS UNITS). THE STATION DATA MAY ALSO VARY FROM DATA PRESENTED IN DOD FLIGHT INFORMATION PUBLICATIONS (FLIP).

STATION NO. ON SUMMARY 107280		STATION NAME COLEMAN AAF\MANNHEIM DL		LATITUDE N 39 34		LONGITUDE E 008 28		FLD ELEV (FT) 309		CALL SIGN EDOR		WMO NMBR 10728	
STATION LOCATION AND INSTRUMENTATION HISTORY													
Nmbr of Loc	GEOGRAPHICAL LOCATION & NAME			Type of Station	At This Location ----- From To		LATITUDE	LONGITUDE	Elev Above MSL ----- FLD (FT) BARO (FT)		OBS PER DAY		
1	Coleman AAF Sandhofen DL			AAF	Aug 59	Apr 61	N 39 34	E 008 28	324	359	15		
2	Same			AAF	May 61	Oct 65	Same	Same	Same	355	15		
3	Same			AAF	Nov 65	Dec 70	Same	Same	334	327	15		
4	Same			AAF	Dec 70	Feb 86	Same	Same	309	512	15		
5	Coleman Barracks			AAF	Mar 86	Jan 88	Same	Same	309	512	15		
Nmbr of Loc	Date of Change	SURFACE WIND EQUIPMENT INFORMATION						REMARKS, ADDITIONAL EQUIP- MENT, OR REASON FOR CHANGE					
		LOCATION			TYPE OF TRANSMITTER		TYPE OF RECORDER	HT ABOVE GROUND					
1	Aug 59	Atop control tower			AN/GMQ-11		None	50 ft					
2	Mar 60	Atop GCA shack, 400' from rnwy			Same		None	15 ft					
3	Mar 61	In control tower			Same		None	60 ft					
4	May 61	Atop control tower			Same		None	46 ft					
5	Mar 62	Atop baseops bldng			AN/GMQ-1		None	56 ft					
6	Jun 68	500' W ctrln rnwy 05/23			AN/GMQ-11		RO-2	14 ft					
7	Jan 88	Same			Same		Same	Same					

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	AAAAAA
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	AAAAAAA
PP PP	AA AA	RR RR	TT	AA AA
PP PP	AA AA	RR RR	TT	AA AA
PPPP PP	AA AA	RRRRRRRR	TT	AA AA
PPPP	AAAAAAAAA	RRRRRRRR	TT	AAAAAAAAA
PP	AAAAAAAAA	RR RR	TT	AAAAAAAAA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA

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PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).

THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.

THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME AND/OR WEEKEND OCCURRENCES OF CERTAIN PHENOMENA.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05												0
06-08		10.9	.4	6.9		18.2	41.0	.4			59.6	669
09-11		9.8	.4	7.0		17.2	43.6	1.9			62.7	743
12-14		9.7	.3	7.5		17.5	33.6	6.6			57.7	732
15-17	.3	7.7	.5	5.0		13.3	31.6	7.7			52.6	700
18-20		8.1		4.0		12.1	39.0	2.2			53.3	593
21-23		12.7	.6	9.6		22.8	34.0	.3			57.1	324
ALL HOURS	.1	9.6	.4	6.5		16.4	37.4	3.5			57.3	3761

MONTH: FEB

00-02												0
03-05							100.0				100.0	1
06-08		10.1		7.8		17.9	42.5	1.9			62.3	631
09-11		10.0		8.3		18.2	39.0	10.0			67.2	702
12-14	.1	7.9		6.4	.1	14.4	21.4	23.8			59.5	707
15-17	.2	8.8		6.2		15.0	15.8	23.7			54.6	658
18-20		6.4		6.7		13.1	28.6	11.4		.3	53.4	595
21-23	.3	6.4	.3	5.5	.3	12.6	34.7	5.5			52.8	326
ALL HOURS	.1	8.5	.0	6.9	.1	15.5	29.9	13.6		.1	59.0	3620

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05		20.0				20.0	26.7				46.7	30
06-08	.1	13.9		2.8		16.7	44.0	6.1			66.8	720
09-11		13.4		2.7		16.1	27.2	23.1			66.4	776
12-14	.3	13.2		1.8		15.0	7.0	33.9			56.0	766
15-17	.4	13.3		.9		14.2	6.1	30.4			50.7	738
18-20	.1	11.8		.4		12.2	11.8	23.0			46.9	688
21-23		10.3		1.1		11.5	18.6	16.0			46.1	349
ALL HOURS	.2	12.9		1.7		14.6	19.2	22.6			56.5	4067

MONTH: APR

00-02												0
03-05		11.1		1.0		12.0	38.5	4.3			54.8	208
06-08		14.6		1.0		15.6	39.9	9.7			65.2	724
09-11	.1	16.7		.5		17.2	13.1	30.1			60.4	748
12-14		13.7		.8		14.5	3.4	23.6			41.6	757
15-17	.3	13.4		.7		14.1	1.4	17.6			33.1	694
18-20		12.2		.5		12.7	4.8	14.4			31.9	630
21-23	.4	13.5		.9		14.3	5.4	12.1			31.8	223
ALL HOURS	.1	14.0		.7		14.7	13.7	18.1			46.6	3984

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05	.5	12.1				12.1	49.0	1.5			62.6	206
06-08	.1	16.9				16.9	32.0	8.9			57.8	729
09-11	.3	14.9				14.9	6.8	28.4			50.1	736
12-14	1.6	16.1				16.1	2.3	17.3			35.7	739
15-17	2.5	15.6				15.6	2.2	9.8		.1	27.8	672
18-20	3.1	16.4				16.4	3.1	5.8			25.3	604
21-23	1.8	17.9				17.9	5.5	4.1			27.5	218
ALL HOURS	1.4	15.9				15.9	11.4	13.2		.0	40.5	3904

MONTH: JUN

00-02												0
03-05	1.0	12.6				12.6	39.8	1.5			53.9	206
06-08	.3	11.0				11.0	28.8	12.4			52.3	725
09-11	.1	9.7				9.7	7.4	25.6			42.7	742
12-14	1.8	9.9				9.9	3.5	18.8			32.3	734
15-17	3.6	9.3				9.3	2.6	11.2			23.2	685
18-20	2.0	10.5				10.5	4.4	8.8			23.7	636
21-23	2.1	8.6				8.6	11.5	7.0			27.2	243
ALL HOURS	1.5	10.1				10.1	11.2	14.4			35.8	3971

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05		4.3				4.3	44.2	3.8			52.4	208
06-08	.6	6.2				6.2	29.4	16.1			51.6	715
09-11	.1	7.8				7.8	4.7	30.7			43.2	730
12-14	.3	6.9				6.9	1.5	18.1			26.6	734
15-17	3.0	6.6				6.6	1.9	10.2			18.7	669
18-20	1.9	4.8				4.8	3.7	8.9			17.3	630
21-23	2.6	4.7				4.7	5.5	8.1			18.3	235
ALL HOURS	1.1	6.3				6.3	10.1	15.9			32.3	3921

MONTH: AUG

00-02												0
03-05	.5	5.9				5.9	53.4	2.7			62.0	221
06-08	.3	6.2				6.2	47.1	8.0			61.3	737
09-11	.1	5.9				5.9	10.9	36.4			53.3	758
12-14	.4	6.5				6.5	2.2	25.6			34.3	757
15-17	1.4	5.4				5.4	1.3	17.2			23.8	710
18-20	.9	5.7				5.7	2.4	15.6		.3	24.0	667
21-23	1.6	5.8				5.8	7.4	11.5		.4	25.1	243
ALL HOURS	.7	5.9				5.9	14.9	19.3		.1	40.1	4093

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05		5.1				5.1	43.2				48.3	176
06-08		7.1				7.1	54.5	2.8			64.5	743
09-11	.1	7.3				7.3	21.5	27.2			55.9	758
12-14	.1	7.7				7.7	4.0	28.0			39.7	750
15-17	1.7	8.7				8.7	2.2	21.5			32.5	687
18-20	1.0	10.3				10.3	7.3	15.4		.2	33.2	591
21-23	.9	9.3				9.3	12.1	8.4			29.8	215
ALL HOURS	.6	8.1				8.1	19.3	17.7		.0	45.1	3920

MONTH: OCT

00-02												0
03-05							50.0				50.0	2
06-08		11.5				11.5	55.9	1.4			68.9	694
09-11		13.3				13.3	43.2	9.0			65.4	790
12-14		11.8				11.8	19.5	21.9			53.1	781
15-17	.1	11.9				11.9	13.8	21.2			46.9	732
18-20		11.1				11.1	28.5	8.2			47.8	649
21-23		10.5				10.5	35.6				46.1	362
ALL HOURS	.0	11.8				11.8	32.3	11.5			55.6	4010

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05												0
06-08	.2	6.7		3.1	.2	9.9	55.1	.5			65.5	615
09-11		8.8		3.3		12.1	51.7	5.3			69.1	693
12-14		7.2		3.0		10.2	34.7	14.8			59.7	704
15-17		6.8		2.0		8.8	29.3	17.9			56.0	659
18-20	.2	8.5		2.7		11.3	39.8	6.0			57.1	550
21-23		11.9		2.6		14.5	42.4	1.9			58.8	311
ALL HOURS	.1	8.0		2.8	.0	10.8	42.0	8.5			61.4	3532

MONTH: DEC

00-02												0
03-05							33.3				33.3	3
06-08		13.4		3.1		16.5	45.6	1.0			63.1	588
09-11	.1	10.0	.3	4.8		15.0	48.9	3.2			67.2	711
12-14		11.2		3.2		14.4	40.9	7.7			62.9	717
15-17		11.2	.2	2.9		14.2	36.1	9.7			60.0	662
18-20		14.6	.4	1.4		16.4	36.1	5.1			57.7	487
21-23		10.3		2.5		12.8	38.4	2.5			53.7	242
ALL HOURS	.0	11.7	.1	3.1		15.0	41.6	5.2			61.8	3410

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280 STATION NAME: COLEMAN AAF/MANNHEIM DL PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: - 1 HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.1	9.6	.4	6.5		16.4	37.4	3.5			57.3	3761
FEB	.1	8.5	.0	6.9	.1	15.5	29.9	13.6		.1	59.0	3620
MAR	.2	12.9		1.7		14.6	19.2	22.6			56.5	4067
APR	.1	14.0		.7		14.7	13.7	18.1			46.6	3984
MAY	1.4	15.9				15.9	11.4	13.2		.0	40.5	3904
JUN	1.5	10.1				10.1	11.2	14.4			35.8	3971
JUL	1.1	6.3				6.3	10.1	15.9			32.3	3921
AUG	.7	5.9				5.9	14.9	19.3		.1	40.1	4093
SEP	.6	8.1				8.1	19.3	17.7		.0	45.1	3920
OCT	.0	11.8				11.8	32.3	11.5			55.6	4010
NOV	.1	8.0		2.8	.0	10.8	42.0	8.5			61.4	3532
DEC	.0	11.7	.1	3.1		15.0	41.6	5.2			61.8	3410
ANNUAL	.5	10.3	.0	1.7	.0	12.0	23.1	13.9		.0	49.0	46193

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: -01

PERIOD OF RECORD: 6509-6605,6611-6711,6808-9009
MONTH: ALL HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.9	43.3	1.2	21.9	.2	57.0	66.7	31.0			92.5	561
FEB	.7	34.0	.4	17.5	.2	44.6	66.6	47.0			87.9	536
MAR	2.2	43.4		8.7	.5	47.0	57.6	52.0			87.5	585
APR	3.7	45.5		3.7	.5	46.0	47.1	53.1			80.5	569
MAY	12.8	44.3		.3	.9	44.3	49.1	46.7			76.8	585
JUN	16.4	46.7			.2	46.7	47.2	46.5			75.9	568
JUL	10.6	34.1			.7	34.1	44.3	48.9			73.0	566
AUG	9.2	35.6			.3	35.6	56.3	56.8			78.8	579
SEP	5.6	33.1			.5	33.1	66.0	53.6			80.9	571
OCT	1.1	39.0		.4	.2	39.0	71.5	47.2			87.8	557
NOV	.6	40.0		10.1	.2	44.9	65.6	35.6			86.8	523
DEC	.8	44.9	1.0	12.3		50.6	67.6	28.5			90.5	494
ANNUAL	5.5	40.3	.2	6.1	.4	43.5	58.6	45.9			83.1	6694

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280 STATION NAME: COLEMAN AAF/MANNHEIM DL PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: - 1

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
00-02												
03-05					.5	1.0		.5				
06-08			.1		.1	.3	.6	.3			.2	
09-11				.1	.3	.1	.1	.1	.1			.1
12-14		.1	.3		1.6	1.8	.3	.4	.1			
15-17	.3	.2	.4	.3	2.5	3.6	3.0	1.4	1.7	.1		
18-20			.1		3.1	2.0	1.9	.9	1.0		.2	
21-23		.3		.4	1.8	2.1	2.6	1.6	.9			
ALL HOURS	.1	.1	.2	.1	1.4	1.5	1.1	.7	.6	.0	.1	.0
TOTAL OBS	3761	3620	4067	3984	3904	3971	3921	4093	3920	4010	3532	3410

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 071	072 - 143	144 - 215	216 - 287	288 - 359	NO OF OBS
TSTMS						100.0		2
LIQUID PRECIP	5.6	4.5	1.1	2.5	55.3	25.4	5.6	358
FREEZING PRECIP	42.9		50.0		7.1			14
FROZEN PRECIP	21.9	1.3	21.4	5.8	33.0	6.7	9.8	224
FOG	35.8	.5	13.8	8.3	31.9	5.5	4.1	1406
FOG WITH VIS GE 1/2 MILES	32.6	.5	14.2	8.6	34.1	5.8	4.0	1284
TOTAL OBS	726	83	399	215	1225	859	254	3761

MONTH: FEB HOURS: ALL

TSTMS						100.0		3
LIQUID PRECIP	7.5	3.6	4.2	2.3	47.4	25.8	9.2	306
FREEZING PRECIP	100.0							1
FROZEN PRECIP	13.0		50.6	2.2	5.6	3.5	25.1	231
FOG	35.0	.4	34.0	5.6	13.3	3.8	8.0	1081
FOG WITH VIS GE 1/2 MILES	34.5	.4	34.1	5.4	13.5	4.0	8.0	1028
TOTAL OBS	668	54	1014	219	672	542	451	3620

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 071	072 - 143	144 - 215	216 - 287	288 - 359	NO OF OBS
TSTMS		14.3				42.9	42.9	7
LIQUID PRECIP	3.5	3.3	11.0	1.3	43.8	24.8	12.3	520
FREEZING PRECIP								
FROZEN PRECIP	1.6		36.1	4.9	36.1	9.8	11.5	61
FOG	40.6	.1	21.8	2.9	18.4	8.8	7.3	781
FOG WITH VIS GE 1/2 MILES	38.2	.1	22.7	3.1	19.3	8.9	7.6	740
TOTAL OBS	634	144	687	184	962	938	518	4067

MONTH: APR HOURS: ALL

TSTMS			25.0	25.0	25.0	25.0		4
LIQUID PRECIP	7.9	3.8	17.3	3.2	16.8	24.1	26.8	555
FREEZING PRECIP								
FROZEN PRECIP		21.4	21.4				57.1	14
FOG	36.7		28.1	2.0	9.7	8.1	15.4	545
FOG WITH VIS GE 1/2 MILES	35.7		28.3	1.9	10.1	8.3	15.7	527
TOTAL OBS	585	229	946	256	622	610	736	3984

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 071	072 - 143	144 - 215	216 - 287	288 - 359	NO OF OBS
TSTMS	10.7	5.4	5.4	14.3	12.5	25.0	26.8	56
LIQUID PRECIP	9.4	1.9	17.4	3.6	22.2	28.4	17.1	585
FREEZING PRECIP								
FROZEN PRECIP								
FOG	40.7		16.8	3.8	16.3	9.6	12.8	447
FOG WITH VIS GE 1/2 MILES	39.2		17.2	3.9	16.9	10.0	12.8	431
TOTAL OBS	557	142	782	269	678	744	732	3904

MONTH: JUN HOURS: ALL

TSTMS	4.9	8.2	21.3	6.6	16.4	26.2	16.4	61
LIQUID PRECIP	9.5	3.3	9.7	3.9	22.8	32.9	17.8	359
FREEZING PRECIP								
FROZEN PRECIP								
FOG	33.4	.4	17.3	3.8	17.3	12.6	15.2	446
FOG WITH VIS GE 1/2 MILES	32.8	.5	17.5	3.4	17.5	12.8	15.5	439
TOTAL OBS	554	203	642	219	561	941	851	3971

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 071	072 - 143	144 - 215	216 - 287	288 - 359	NO OF OBS
TSIMS	6.7	2.2	6.7	15.6	24.4	24.4	20.0	45
LIQUID PRECIP	11.3	3.8	12.3	1.9	23.6	30.2	17.0	212
FREEZING PRECIP								
FROZEN PRECIP								
FOG	48.2	.5	16.7	3.3	9.8	5.1	16.4	396
FOG WITH VIS GE 1/2 MILES	47.0	.5	17.1	3.4	10.1	5.2	16.8	387
TOTAL OBS	568	149	800	253	522	726	903	3921

MONTH: AUG HOURS: ALL

TSIMS	3.7		7.4	11.1	22.2	29.6	25.9	27
LIQUID PRECIP	15.9	1.8	6.6	2.2	18.5	28.6	26.4	227
FREEZING PRECIP								
FROZEN PRECIP								
FOG	55.8	.5	12.7	4.1	12.3	5.3	9.4	608
FOG WITH VIS GE 1/2 MILES	55.2	.5	13.0	4.3	12.6	5.5	8.9	585
TOTAL OBS	859	128	635	243	647	873	708	4093

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 071	072 - 143	144 - 215	216 - 287	288 - 359	NO OF OBS
TSTMS	9.1		13.6	13.6	36.4	27.3		22
LIQUID PRECIP	14.1	3.3	15.1	3.6	30.6	21.1	12.2	304
FREEZING PRECIP								
FROZEN PRECIP								
FOG	57.8	.3	12.0	2.8	15.8	4.0	7.4	758
FOG WITH VIS GE 1/2 MILES	54.2	.3	13.0	2.9	17.3	4.3	7.9	692
TOTAL OBS	966	130	618	210	709	848	439	3920

MONTH: OCT HOURS: ALL

TSTMS					100.0			1
LIQUID PRECIP	13.7	4.7	8.2	4.0	40.8	20.7	7.8	473
FREEZING PRECIP								
FROZEN PRECIP								
FOG	48.5	.4	13.2	5.7	22.6	4.1	5.6	1298
FOG WITH VIS GE 1/2 MILES	44.2	.5	13.1	6.3	25.5	4.6	5.8	1098
TOTAL OBS	1019	94	453	248	1177	706	313	4010

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 071	072 - 143	144 - 215	216 - 287	288 - 359	NO OF OBS
TSTMS		50.0				50.0		2
LIQUID PRECIP	12.8	3.9	5.0	2.5	52.0	21.0	2.8	281
FREEZING PRECIP								
FROZEN PRECIP	16.1	6.5	30.1	4.3	35.5	2.2	5.4	93
FOG	40.3	1.0	22.1	3.5	23.2	3.0	6.9	1485
FOG WITH VIS GE 1/2 MILES	37.3	1.2	21.2	3.6	26.4	3.2	7.1	1244
TOTAL OBS	917	97	569	135	979	553	282	3532

MONTH: DEC HOURS: ALL

TSTMS						100.0		1
LIQUID PRECIP	11.0	1.8	3.8	1.3	49.6	23.1	9.5	399
FREEZING PRECIP	80.0				20.0			5
FROZEN PRECIP	26.7	1.1	13.3	1.1	36.7	7.8	13.3	90
FOG	35.6	.4	15.8	8.0	31.1	3.0	6.2	1419
FOG WITH VIS GE 1/2 MILES	33.5	.4	15.7	8.1	33.6	3.1	5.5	1306
TOTAL OBS	695	77	394	202	1183	576	283	3410

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTHS: ALL

PHENOMENA	CALM	VARIABLE	360 - 071	072 - 143	144 - 215	216 - 287	288 - 359	NO OF OBS
TSTMS	6.5	4.8	10.8	11.3	19.0	27.3	20.3	231
LIQUID PRECIP	9.7	3.3	10.1	2.8	34.9	25.3	14.0	4579
FREEZING PRECIP	55.0		35.0		10.0			20
FROZEN PRECIP	16.7	1.8	32.3	3.6	24.5	5.3	15.7	713
FOG	41.5	.4	18.7	5.1	21.1	5.2	8.0	10670
FOG WITH VIS GE 1/2 MILES	39.2	.5	18.9	5.2	22.6	5.5	8.1	9761
TOTAL OBS	8748	1530	7939	2653	9937	8916	6470	46193

A - 5 - 7

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	BBBBBBBBBB
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTTT	BBBBBBBBBB
PP PP	AA AA	RR RR	TT	BB BB
PP PP	AA AA	RR RR	TT	BB BB
PPPPPPPP	AA AA	RRRRRRRR	TT	BBBBBBBBBB
PPPPPPPP	AAAAAAAA	RRRRRRRR	TT	BBBBBBBBBB
PP	AAAAAAAA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BBBBBBBBBB
PP	AA AA	RR RR	TT	BBBBBBBBBB

B - 1 - 1

PART B

PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN POR.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

AIR FORCE		NAVY AND NATIONAL WEATHER SERVICE	
THROUGH 1945:	0800 LST	THROUGH JUN 1952:	0030 GMT
JAN 1946 TO MAY 1957:	1230 LST	JUN 1952 TO MAY 1957:	1230 GMT
JUN 1957 TO PRESENT:	1200 GMT	JUN 1957 TO PRESENT:	1200 GMT

NOTE 7. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES DERIVED FROM PART TIME PERIODS MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDED AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS. IN ADDITION, 24-HOUR AMOUNTS MAY NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT. DATA FROM PART TIME PERIODS MAY NOT ACCURATELY REFLECT NIGHTTIME PRECIPITATION EVENTS.

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS
- 1 MILLIMETER = .03937 INCHES

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: -01

PERIOD OF RECORD: 6509-6605,6611-6711,6808-9009
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	27.5	42.2	38.1	41.9	39.5	39.5	52.1	49.9	50.3	46.5	35.4	36.0	41.6
TRACE	25.5	15.8	19.8	15.3	12.7	13.5	11.9	13.4	13.4	13.3	19.8	18.0	16.0
.01	6.5	6.4	6.2	3.8	5.2	3.8	2.0	4.2	4.0	6.1	7.6	5.9	5.1
.02-.05	19.0	14.4	13.5	13.4	11.4	9.7	7.7	9.0	11.4	12.4	13.0	11.4	12.2
.06-.10	10.1	7.5	6.3	7.8	8.9	7.7	4.9	5.7	6.5	6.2	6.6	10.9	7.4
.11-.25	8.3	9.2	11.3	12.2	11.1	12.1	9.8	8.0	6.5	10.0	11.0	10.4	10.0
.26-.50	2.6	3.6	3.6	4.6	6.5	9.2	5.7	6.0	4.1	3.3	4.1	6.6	4.9
.51-1.00	.6	.8	1.3	.9	3.6	3.4	4.6	3.4	3.2	1.7	2.3	.8	2.2
1.01-2.50		.2		.1	1.0	1.1	1.4	.4	.6	.6	.1		.5
2.51-5.00					.1								.0
5.01-10.00													
10.01-20.00													
OVER 20.00													
DAYS WITH MEAS AMTS	47.1	42.0	42.1	42.8	47.8	47.0	36.0	36.7	36.3	40.3	44.8	46.1	42.4
TOTAL NO. OF OBSERVATIONS	663	640	698	680	694	651	653	686	708	693	683	595	8044

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: -01

PERIOD OF RECORD: 6509-6605,6611-6711,6808-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
65									3.58	.38	4.10		8.06*
66	.77*	1.53	1.00	2.62	.84*						1.49	2.14	10.39*
67	.59	.69	1.76	1.22	2.26	1.20	1.61	1.66	2.54	.48*	.62*		14.63*
68								3.27*	2.73*	1.95*	.76*	1.00*	9.71*
69	1.18*	1.69*	1.18	1.55	3.03	4.98	2.23	3.45	.84	.13	1.78	1.09*	23.13*
70	1.26	2.80	1.02	1.86	3.41	1.61	2.39	.88	1.39	1.18	.89	1.65	20.34
71	.46	.45	.39	.98	2.38	3.13	1.29	1.48	.26	.70	1.78	.43	13.73
72	.75	.20	.61	1.30	2.40	3.68	3.04	4.05	1.56	.91	3.06	.45*	22.01*
73	.56	.92	.29	1.05	1.92	1.27	3.83	1.53	1.04	2.82	1.57	.84*	17.64*
74	.96	1.42	1.65	.48	1.55	2.87	3.62	1.77	.74	3.74	1.71	2.50	23.01
75	1.47	.66	1.34	1.33	1.02	3.64	2.77	3.73	1.74	.92	1.80	.71*	21.13*
76	1.93	.64	.91	.50	1.37	.47	2.05	.44	3.09	1.23	1.23	1.63*	15.49*
77	1.58	2.35	.78	.86	.52	2.52	1.70	3.80	1.20	.68	1.98	1.76*	19.73*
78	1.17	1.69	1.94	.91	8.99	1.85	2.96	1.01	1.59	.85	.65	1.72	25.33
79	1.76	1.20	2.71	2.37	2.02	1.67	2.89	1.67	1.96	1.01	3.09	1.88*	24.23*
80	1.08	.90	.87	2.16	1.60	4.60	4.58*	1.63*	1.96	2.03	1.86*	.96*	24.23*
81	1.23*	.46*	1.68*	1.89*	3.06	3.61*	2.65*	2.28*	1.64	4.02*	1.60*	3.72*	27.84*
82	1.65*	.31	1.72*	1.14	2.13	1.67	1.06	1.77	.95	4.80	1.06	1.84	20.10*
83	1.34	1.03	1.39	3.55	6.94	2.95	1.03	.43	2.37	1.06	.62	1.20*	23.91*
84	1.37	1.49	.38	1.27	6.15	2.70	3.69	1.57	3.92	2.15	1.11	.98	26.78
85	1.20	.77	1.15	1.00*	3.07*	2.99*	2.46*	1.68*	.53	.86	1.52*	1.58*	18.81*
86	1.64	.43	3.07*	2.00	2.44*	1.84*	3.73*	2.62*	3.47*	2.14*	1.66*	1.17*	26.21*
87	.27*	1.61*	2.29*	.77*	2.29*	5.12*	5.23*	2.04*	2.22*	2.71*	2.05*	.98*	27.58*
88	2.24*	2.37	4.53*	2.12*	2.68*	2.61	2.14*	1.32*	1.86	1.72*	1.43*	2.51*	27.53*
89	.44*	1.44*	1.37*	3.69*	1.12*	2.90*	2.46*	2.96*	.40*	1.78*	1.96*	2.41*	22.93*
90	.57	2.43*	.52*	1.01*	.63	4.51*	.93*	1.87*	2.43				14.90*

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 6509-6605,6611-6711,6808-9009
MONTH: ALL HOURS: ALL

THE GREATEST VALUE OF 8.99 OCCURRED ON 05/78

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: -01

PERIOD OF RECORD: 6509-6605,6611-6711,6808-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
65									1.60	.20	.91		1.60*
66	.32*	.45	.24	.75	.17*						.29	.41	.75*
67	.13	.17	.46	.38	.67	.41	.82	.69	.84	.17*	.14*		.84*
68								.95*	.70*	.66*	.37*	.38*	.95*
69	.40*	.32*	.33	.31	.78	1.74	.79	.86	.43	.07	.33	.27*	1.74*
70	.36	.57	.23	.46	1.36	.47	.41	.27	.56	.42	.31	.48	1.36
71	.15	.07	.24	.76	.53	.58	.77	.43	.10	.53	.71	.34	.77
72	.23	.09	.18	.27	.72	.72	.94	1.27	.91	.25	.73	.19*	1.27*
73	.19	.33	.10	.20	.63	.32	.80	.51	.47	.74	.41	.20*	.80*
74	.31	.32	.41	.15	.53	.40	.87	.67	.13	.58	.29	.58	.87
75	.25	.41	.34	.40	.52	1.07	1.33	1.40	.63	.24	.54	.35*	1.40*
76	.51	.38	.25	.34	.58	.32	1.04	.14	.83	.27	.25	.46*	1.04*
77	.30	.48	.24	.19	.14	.44	.77	1.04	.74	.12	.46	.47*	1.04*
78	.42	.55	.36	.39	2.77	.34	.54	.40	.56	.31	.50	.53	2.77
79	.80	.18	.36	.37	.57	.36	1.18	.46	1.50	.34	.90	.34*	1.50*
80	.24	.21	.19	.69	.40	.85	.87*	.42*	.95	.30	1.22*	.25*	1.22*
81	.24*	.19*	.30*	.98*	.68	1.34*	.67*	.71*	.45	1.74*	.80*	.66*	1.74*
82	.49*	.18	.46*	.44	.45	.56	.48	.73	.37	1.83	.38	.44	1.83*
83	.56	.24	.24	.65	1.20	1.05	.55	.14	.64	.29	.18	.56*	1.20*
84	.43	.32	.18	.49	1.66	1.03	1.18	.70	.81	1.20	.27	.27	1.66
85	.20	.22	.28	.26*	1.29*	.66*	1.17*	.46*	.20	.48	.28*	.47*	1.29*
86	.30	.31	.72*	.43	.43*	.43*	1.43*	.81*	1.29*	1.20*	.46*	.35*	1.43*
87	.10*	.70*	.71*	.32*	.46*	1.31*	1.81*	.81*	1.12*	.50*	.61*	.31*	1.81*
88	.64*	.51	.66*	.49*	.75*	.57	.41*	.41*	.69	.43*	.58*	.54*	.75*
89	.18*	.47*	.32*	1.05*	.38*	.66*	.97*	.68*	.27*	.79*	.87*	.48*	1.05*
90	.27	1.25*	.20*	.20*	.32	1.14*	.43*	.62*	.85				1.25*

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 6509-6605,6611-6711,6808-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GREATEST	.80	1.25	.72	1.05	2.77	1.74	1.81	1.40	1.60	1.83	1.22	.66	2.77
TOTAL OBS	663	640	698	680	694	651	653	686	708	693	683	595	8044

THE GREATEST VALUE OF 2.77 OCCURRED ON 05/23/78

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: -01

PERIOD OF RECORD: 6810-9009
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	74.5	77.4	88.9	95.5	99.7	100.0	100.0	100.0	100.0	99.5	89.0	80.5	92.3
TRACE	15.9	15.2	8.6	4.3	.3					.5	8.5	11.9	5.3
0.1-0.4	2.9	2.7	.9	.2							.7	2.3	.8
0.5-1.4	3.8	3.1	1.1								.7	2.8	.9
1.5-2.4	1.3	.5	.3								.8	1.2	.3
2.5-3.4	.8	.5									.3	.9	.2
3.5-4.4	.2		.2									.2	.0
4.5-6.4	.5	.5										.2	.1
6.5-10.4	.2												.0
10.5-15.4													
15.5-25.4													
25.5-50.4													
OVER 50.4													
DAYS WITH MEAS AMTS	9.7	7.4	2.5	.2							2.5	7.6	2.4
TOTAL NO. OF OBSERVATIONS	611	585	639	622	642	625	622	637	627	644	602	564	7420

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: -01

PERIOD OF RECORD: 6810-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
68										.0*	2.0*	6.1*	8.1*
69	6.2*	18.0*	TRACE	TRACE	.0	.0	.0	.0	.0	.0	1.0	7.0*	32.2*
70	5.0	2.0	1.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	7.5	15.5
71	1.3	2.0	2.0	.0	.0	.0	.0	.0	.0	.0	4.0	2.6	11.9
72	3.8	.0	.7	.0	.0	.0	.0	.0	.0	TRACE	.7	.0*	5.2*
73	1.2	.3	TRACE	.1	.0	.0	.0	.0	.0	.0	2.9	3.2*	7.7*
74	.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE	TRACE
75	.0	.0	5.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.5*	5.5*
76	3.8	.1	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.5*	4.4*
77	4.3	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.5*	7.8*
78	TRACE	10.2	.4	.0	.0	.0	.0	.0	.0	.0	.2	1.0	11.8
79	9.8	1.2	.0	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE*	11.0*
80	3.7	TRACE	.7	TRACE	.0	.0	.0*	.0*	.0	.0	.5*	4.3*	9.2*
81	11.3*	1.1*	.0*	TRACE*	.0	.0*	.0*	.0*	.0	.0*	TRACE*	10.9*	23.3*
82	7.6*	1.1	.0*	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	8.7*
83	TRACE	.5	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.1*	.6*
84	2.8	1.9	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.2	4.9
85	13.1	6.1	1.1	.0*	.0*	.0	.0*	.0*	.0	.0	5.5*	2.9*	28.7*
86	2.1	4.5	.0*	TRACE	.0*	.0*	.0*	.0*	.0*	.0*	.0*	3.6*	10.2*
87	2.4*	.3*	3.5*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	.0*	6.2*
88	TRACE*	2.0	1.0*	.0*	.0*	.0	.0*	.0*	.0	.0*	3.0*	TRACE*	6.0*
89	.0*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	TRACE*
90	TRACE	TRACE*	TRACE*	.0*	.0	.0	.0*	.0*	.0				TRACE*

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: -01

PERIOD OF RECORD: 6810-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
LEAST	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
GREATEST	13.1	18.0	5.0	.1	TRACE	.0	.0	.0	.0	TRACE	5.5	10.9	32.2
MEAN	3.2	1.9	.7	.0	TRACE	.0	.0	.0	.0	TRACE	.6	1.9	8.8
MEDIAN	2.5	1.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.6	11.8
SD	3.716	2.741	1.321	.025	.000	.000	.000	.000	.000	.000	1.253	2.925	6.248
TOTAL OBS	611	585	639	622	642	625	622	637	627	644	602	564	7420

THE GREATEST VALUE OF 18.0 OCCURRED ON 02/69

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 3 - 2B

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: -01

PERIOD OF RECORD: 6810-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
68										.0*	2.0*	4.1*	4.1*
69	2.0*	5.0*	TRACE	TRACE	.0	.0	.0	.0	.0	.0	1.0	3.0*	5.0*
70	5.0	1.0	1.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.2	5.0
71	.7	1.0	2.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.0	2.0
72	2.6	.0	.7	.0	.0	.0	.0	.0	.0	TRACE	.5	.0*	2.6*
73	1.2	.2	TRACE	.1	.0	.0	.0	.0	.0	.0	1.9	2.0*	2.0*
74	.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE	TRACE
75	.0	.0	3.5	TRACE	.0	.0	.0	.0	.0	.0	.0	.5*	3.5*
76	1.0	.1	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.5*	1.0*
77	2.2	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.5*	2.5*
78	TRACE	6.0	.4	.0	.0	.0	.0	.0	.0	.0	.2	1.0	6.0
79	7.0	1.0	.0	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE*	7.0*
80	2.5	TRACE	.7	TRACE	.0	.0	.0*	.0*	.0	.0	.5*	2.5*	2.5*
81	4.5*	1.1*	.0*	TRACE*	.0	.0*	.0*	.0*	.0	.0*	TRACE*	5.3*	5.3*
82	4.8*	1.1	.0*	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	4.8*
83	TRACE	.4	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.1*	.4*
84	2.7	1.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.2	2.7
85	3.0	3.1	1.1	.0*	.0*	.0	.0*	.0*	.0	.0	2.7*	2.9*	3.1*
86	1.0	3.3	.0*	TRACE	.0*	.0*	.0*	.0*	.0*	.0*	.0*	3.0*	3.3*
87	1.0*	.2*	1.6*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	.0*	1.6*
88	TRACE*	.5	.4*	.0*	.0*	.0	.0*	.0*	.0	.0*	3.0*	TRACE*	3.0*
89	.0*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	TRACE*
90	TRACE	TRACE*	TRACE*	.0*	.0	.0	.0*	.0*	.0				TRACE*

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 6810-9009
MONTH: ALL HOURS: ALL

GREATEST	7.0	6.0	3.5	.1	TRACE	.0	.0	.0	.0	TRACE	3.0	5.3	7.0
TOTAL OBS	611	585	639	622	642	625	622	637	627	644	602	564	7420

THE GREATEST VALUE OF 7.0 OCCURRED ON 01/02/79

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: -01

PERIOD OF RECORD: 6401-6502,6703-9009
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	73.0	82.5	96.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.7	85.3	94.6
TRACE	7.7	6.6	2.6								2.1	6.8	2.1
1	4.3	3.2	.6								.3	3.2	.9
2	3.6	2.6	.3								.5	2.3	.7
3	4.4	4.2	.1								.8	1.0	.8
4-6	6.9	.9									.6	1.5	.8
7-12													
13-24													
25-36													
37-48													
49-60													
61-120													
OVER 120													
DAYS WITH MEAS AMTS	19.2	10.9	1.0								2.1	7.9	3.3
TOTAL NO. OF OBSERVATIONS	697	663	726	709	729	711	710	726	712	701	657	618	8359

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: -01

PERIOD OF RECORD: 6401-6502,6703-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
64	2	0	0	0	0	0	0	0	0	0	0	2*	2*
65	1	1											1*
67			0	0	0	0	0	0	0	0*	0*	2*	2*
68	1*	2*	0*	0*	0*	0*	0*	0*	0*	0*	1*	3*	3*
69	6*	6*	0	0	0	0	0	0	0	0	1	3	6*
70	4	1	1	0	0	0	0	0	0	0	0	4	4
71	5	1	2	0	0	0	0	0	0	0	2	TRACE	5
72	TRACE	TRACE	0	0	0	0	0	0	0	0	TRACE	0*	TRACE*
73	TRACE	TRACE	0	0	0	0	0	0	0	0	3	2*	3*
74	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	3	0	0	0	0	0	0	0	0	0*	3*
76	3	2	0	0	0	0	0	0	0	0	0	1*	3*
77	2	0	0	0	0	0	0	0	0	0	TRACE	1*	2*
78	TRACE	5	0	0	0	0	0	0	0	0	TRACE	1	5
79	5	TRACE	0	0	0	0	0	0	0	0	TRACE	0*	5*
80	1	0	0	0	0	0	0*	0*	0	0	0*	4*	4*
81	5*	1*	0*	0*	0	0*	0*	0*	0	0*	TRACE*	6*	6*
82	6*	1	0*	0	0	0	0	0	0	0	0	0	6*
83	0	1	0	0	0	0	0	0	0	0	TRACE	TRACE*	1*
84	1	1	TRACE	0	0	0	0	0	0	0	0	0	1
85	6	3	1	0*	0*	0	0*	0*	0	0	5*	3*	6*
86	4	3	TRACE*	0	0*	0*	0*	0*	0*	0*	0*	TRACE*	4*
87	1*	2*	2*	0*	0*	0*	0*	0*	0*	0*	TRACE*	0*	2*
88	0*	1	TRACE*	0*	0*	0	0*	0*	0	0*	3*	0*	3*
89	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	TRACE*	TRACE*
90	0	0*	TRACE*	0*	0	0	0*	0*	0				TRACE*

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 6401-6502,6703-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GREATEST	6*	6*	3*	0*	0*	0*	0*	0*	0*	0*	5*	6*	6*
TOTAL OBS	697	663	726	709	729	711	710	726	712	701	657	618	8359

THE GREATEST VALUE OF 6 OCCURRED ON 01/02/69

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 4 - 2B

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL

PERIOD OF RECORD: 6401-6502,6703-9009
SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
63 - 64			JAN 11			JAN 11
64 - 65			DEC 03			FEB 18
67 - 68			DEC 19			FEB 28
68 - 69	NOV 15	NOV 19	NOV 19	APR 19	FEB 25	FEB 25
69 - 70	NOV 24	NOV 26	NOV 26	APR 07	MAR 02	MAR 04
70 - 71	NOV 17	DEC 22	DEC 22	MAR 12	MAR 12	MAR 12
71 - 72	NOV 19	NOV 21	NOV 21	MAR 28	MAR 12	NOV 29
72 - 73	OCT 20	NOV 16		APR 20	APR 12	
73 - 74	NOV 16	NOV 29	NOV 29	APR 16	DEC 12	DEC 04
74 - 75	OCT 26	MAR 18	MAR 20	APR 10	MAR 20	MAR 20
75 - 76	DEC 29	DEC 29	JAN 25	MAR 09	FEB 14	FEB 05
76 - 77	NOV 22	DEC 14	DEC 14	APR 15	JAN 30	JAN 20
77 - 78	NOV 17	DEC 06	DEC 07	MAR 26	MAR 26	FEB 22
78 - 79	NOV 27	NOV 28	DEC 20	MAY 04	FEB 24	JAN 29
79 - 80	NOV 12	JAN 02	JAN 04	APR 10	MAR 21	JAN 04
80 - 81	NOV 04	NOV 05	DEC 03	APR 27	FEB 21	FEB 21
81 - 82	NOV 09	DEC 10	DEC 18	APR 13	FEB 23	FEB 23
82 - 83	DEC 15	FEB 05	FEB 05	MAR 26	FEB 08	FEB 05
83 - 84	NOV 15	DEC 07	JAN 23	APR 04	FEB 27	FEB 27
84 - 85	DEC 30	DEC 30	JAN 02	MAR 28	MAR 19	MAR 19
85 - 86	NOV 12	NOV 20	NOV 21	APR 12	FEB 10	FEB 28
86 - 87	DEC 01	DEC 22	JAN 07	MAR 30	MAR 20	MAR 03
87 - 88	NOV 25	FEB 24	FEB 24	MAR 13	MAR 08	FEB 24
88 - 89	NOV 21	NOV 23	NOV 23	FEB 27	NOV 23	NOV 23
89 - 90	DEC 11			MAR 02		
MEDIAN-DATE	NOV 18	DEC 07	DEC 19	APR 05	FEB 27	FEB 22

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	CCCCC
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	CCCCCCC
PP PP	AA AA	RR RR	TT	CC CC
PP PP	AA AA	RR RR	TT	CC
PPPPPPPP	AA AA	RRRRRRRR	TT	CC
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	CC
PP	AAAAAAAAA	RR RR	TT	CC
PP	AA AA	RR RR	TT	CC CC
PP	AA AA	RR RR	TT	CCCCCCC
PP	AA AA	RR RR	TT	CCCCC

C - 1 - 1

PART C

SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANS, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS) THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET. IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED: WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: -01

PERIOD OF RECORD: 6809-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
68									27/*24	22/*21	24/*18	19/*17	27/*24
69	23/*22	19/*21	24/ 26	29/ 38	27/ 26	07/ 27	21/ 28	35/ 26	27/ 19	31/ 25	26/ 44	18/*21	26/*44
70	22/ 23	20/ 41	21/ 27	30/ 30	27/ 27	28/ 26	27/ 37	24/ 26	29/ 30	27/ 32	24/ 32	34/ 35	20/ 41
71	33/ 32	04/ 28	01/ 28	28/ 28	24/ 41	30/ 35	26/ 45	20/ 45	02/ 19	01/ 26	23/ 29	24/ 22	26/ 45
72	02/ 22	19/ 24	24/ 38	27/ 38	25/ 39	28/ 28	17/ 34	21/ 35	26/ 33	02/ 20	28/ 43	22/*23	28/*43
73	27/ 20	27/ 28	30/ 23	20/ 35	25/ 26	23/ 27	23/ 28	08/ 27	22/ 26	26/ 35	29/ 34	27/*33	20/*35
74	26/ 38	25/ 37	24/ 31	03/ 33	33/ 30	33/ 28	26/ 27	26/ 32	21/ 32	21/ 27	31/ 40	25/ 40	31/ 40
75	20/ 27	26/ 22	24/ 35	26/ 27	07/ 30	28/ 30	29/ 27	36/ 39	20/ 25	28/ 23	29/ 35	19/*26	36/*39
76	32/ 34	19/ 25	25/ 27	05/ 23	27/ 26	26/ 23	20/ 35	01/ 32	19/ 24	22/ 21	27/ 31	24/*28	20/*35
77	22/ 31	23/ 28	25/ 26	25/ 39	25/ 28	29/ 35	03/ 29	34/ 25	02/ 22	24/ 40	30/ 50	31/ 34	30/ 50
78	36/ 42	25/ 26	28/ 40	09/ 26	34/ 24	24/ 40	27/ 29	31/ 21	26/ 32	32/ 19	21/ 20	24/*30	36/*42
79	18/ 32	21/ 26	27/ 32	34/ 22	24/ 29	13/ 26	31/ 28	04/ 28	18/ 20	28/ 19	24/ 32	26/*40	26/*40
80	23/ 34	29/ 36	25/ 37	28/ 41	09/ 28	28/ 32	24/*28	26/ 35	26/ 46	22/ 35	21/*29	23/*30	26/*46
81	21/*32	28/ 30	25/*32	03/*24	21/ 31	24/*31	24/*21	01/*23	29/ 26	28/*42	33/*38	27/*39	28/*42
82	36/*33	29/ 20	32/*48	29/ 35	25/ 37	27/ 27	24/ 23	20/ 25	19/ 24	23/ 34	24/ 36	30/*38	32/*48
83	25/ 34	28/ 46	25/ 34	23/ 35	24/*46	23/ 23	11/ 32	30/ 30	29/ 34	26/ 28	24/ 37	19/*20	28/*46
84	26/ 45	26/ 43	26/ 34	03/ 25	20/ 42	28/ 24	27/ 47	15/*13	*	*	*	20/*23	27/*47
85	26/ 29	25/*26	25/*33	28/*35	28/*27	*	25/*25	26/*34	25/ 26	18/*18	32/*35	28/*29	28/*35
86	27/ 41	05/ 18	22/*36	26/ 27	28/*23	28/*26	25/*25	27/*25	23/*23	26/*32	25/*28	30/*48	30/*48
87	27/*27	25/*21	24/*38	22/*30	32/*27	24/*31	21/*32	32/*27	25/*21	24/*35	21/*36	28/*20	24/*38
88	19/*32	24/ 33	30/*35	05/*23	25/*29	25/ 27	22/*29	29/*32	21/ 35	23/*33	36/*35	33/*44	33/*44
89	26/*24	22/*30	22/*30	23/ 25	32/*33	30/*30	21/*34	35/*30	23/*25	21/*27	24/*37	25/*48	25/*48
90	23/ 53	27/*66	27/*64	29/*36	28/ 29	34/ 45	24/*33	28/*24	24/ 36				27/*66

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 6809-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GREATEST	23/ 53	27/ 66	27/ 64	28/ 41	24/ 46	34/ 45	27/ 47	20/ 45	26/ 46	28/ 42	30/ 50	30/ 48	27/ 66
TOTAL OBS	610	576	640	616	623	591	607	610	614	594	569	549	7199

THE PEAK WIND OF 66 FROM 27/ OCCURRED ON 02/26/90

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH
\$THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: -01

PERIOD OF RECORD: 6809-9009

MONTH: ALL HOURS: ALL

MONTH	WIND SPEEDS IN KNOTS											MEAN WIND	MEDIAN WIND	TOTAL OBS
	CALM-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
JAN	3.1	24.1	26.2	21.3	12.6	6.6	4.8	.3	.8	.2	.0	15.1	14.0	610
FEB	2.8	23.6	31.6	19.8	9.4	7.5	2.3	.9	1.6	.5	.2	15.1	13.0	576
MAR	.8	12.3	33.0	23.3	16.7	8.8	2.8	1.7	.5	.2	.0	16.6	15.0	640
APR	.0	6.7	30.0	30.5	20.3	8.6	2.1	1.6	.2	.0	.0	17.3	16.5	616
MAY	.0	7.7	33.1	31.8	18.0	7.9	.8	.3	.5	.0	.0	16.6	16.0	623
JUN	.2	7.6	35.2	31.0	19.0	4.1	2.0	.7	.3	.0	.0	16.3	15.0	591
JUL	.0	8.1	39.2	31.3	13.7	5.6	1.3	.5	.3	.0	.0	15.9	15.0	607
AUG	.2	9.7	38.2	31.5	15.2	3.1	1.0	.7	.5	.0	.0	15.5	15.0	610
SEP	.7	19.2	37.3	23.5	14.0	3.6	1.3	.3	.2	.0	.0	14.5	14.0	614
OCT	2.5	28.1	34.8	19.7	9.3	3.5	1.2	.5	.3	.0	.0	13.3	12.0	594
NOV	2.3	24.8	27.1	19.0	14.6	6.5	3.0	1.6	1.1	.2	.0	15.2	14.0	569
DEC	3.1	23.1	32.1	18.0	11.8	4.9	4.0	1.5	1.5	.0	.0	14.9	13.0	549
ANNUAL	1.3	16.1	33.2	25.2	14.6	5.9	2.2	.9	.6	.1	.0	15.5	14.0	7199

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	1.2	.1									4.0	3.9	4.0
020-040	1.8	1.6	.1									3.6	4.8	4.5
050-070	2.7	.4										3.1	2.8	2.0
(E) 080-100	2.8											2.8	2.3	2.0
110-130	3.0	.1										3.1	2.4	2.0
140-160	5.5	3.6	.4									9.6	4.4	4.0
(S) 170-190	2.5	14.1	5.7	.1								22.4	7.8	8.0
200-220	.4	1.6	4.5	.7								7.3	10.8	11.0
230-250	1.0	5.1	3.6	.6	.4	.1						10.9	9.7	9.0
(W) 260-280	1.2	3.0	3.0	.1	.1							7.5	8.5	8.0
290-310	.3	.7	.1									1.2	6.6	6.5
320-340	.4	.4	.1	.1								1.2	7.1	6.5
VARIABLE		.7	.7	.1								1.6	10.3	11.0
CALM	////////////////////////////////////											21.5	////////	
TOTALS	24.3	32.5	18.3	1.7	.5	.1						100.0	5.5	7.0

TOTAL NUMBER OF OBSERVATIONS 669

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	.9	.5		.1							3.1	5.9	5.0
020-040	2.8	.9										3.8	3.6	3.0
050-070	1.5	.7										2.2	3.8	3.0
(E) 080-100	1.7	.4										2.2	3.0	2.0
110-130	1.7	.3										2.0	2.7	2.0
140-160	4.3	3.1	.1									7.5	4.7	4.0
(S) 170-190	3.2	11.4	5.4	.9	.1							21.1	7.9	8.0
200-220	1.5	2.8	4.7	1.2	.1							10.4	9.9	10.0
230-250	2.0	5.1	3.5	1.1	.1							11.8	9.1	8.0
(W) 260-280	1.5	3.1	1.9	.5	.4							7.4	9.1	8.0
290-310	1.3	1.2										2.6	4.3	4.0
320-340	.8	.9	.3									2.0	5.9	7.0
VARIABLE		1.1	.7	.1								1.9	9.8	9.0
CALM	////////////////////////////////////											22.1	////////	
TOTALS	23.8	31.9	17.1	3.8	.8							100.0	5.7	7.0

TOTAL NUMBER OF OBSERVATIONS 743

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.1	1.9	.4	.1								7.5	4.2	3.0
020-040	2.7	1.4	.4									4.5	4.4	4.0
050-070	1.8	1.2										3.0	4.1	3.0
(E) 080-100	1.2	.3										1.5	2.9	3.0
110-130	1.6	.5										2.2	3.6	3.0
140-160	2.3	2.9	.3	.1								5.6	5.6	6.0
(S) 170-190	2.3	9.0	5.1	.3								16.7	8.0	8.0
200-220	1.8	3.0	6.0	1.2	.4							12.4	10.3	10.0
230-250	1.8	4.1	4.9	.7	.5							12.0	9.4	10.0
(W) 260-280	1.1	3.0	4.6	.7	.7							10.1	10.4	10.0
290-310	1.5	.7	1.1		.1							3.4	7.3	9.0
320-340	1.8	1.4	.7									3.8	5.5	5.0
VARIABLE	.3	.5	1.9	.4								3.1	10.5	10.0
CALM	////////////////////////////////////											14.1	////////	
TOTALS	25.3	29.9	25.4	3.5	1.7							100.0	6.7	8.0

TOTAL NUMBER OF OBSERVATIONS 732

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.7	2.0	.4	.1								6.3	4.8	4.0
020-040	2.6	2.0										4.6	4.7	4.0
050-070	1.0	1.3										2.3	5.1	5.0
(E) 080-100	.7	1.0	.3									2.0	5.5	5.5
110-130	1.6	.9										2.4	3.9	3.0
140-160	3.1	2.4	.4									6.0	4.9	4.0
(S) 170-190	3.3	7.3	4.1	.4								15.1	7.7	8.0
200-220	1.7	3.4	5.0	1.4	.1	.1						11.9	9.6	10.0
230-250	1.4	5.9	4.1	1.0	.7							13.1	9.6	9.0
(W) 260-280	1.7	4.3	3.9	.3	.1							10.3	8.7	9.0
290-310	1.7	1.9	.4									4.0	5.6	5.5
320-340	3.4	.9	.1									4.4	3.5	3.0
VARIABLE		.4	2.1	.3								2.9	11.8	12.0
CALM	////////////////////////////////////											14.7	////////	
TOTALS	25.9	33.7	20.8	3.5	.9	.1						100.0	6.3	7.0

TOTAL NUMBER OF OBSERVATIONS 700

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	.5	.3									4.0	4.0	3.0
020-040	1.7	2.2	.5									4.4	5.5	5.0
050-070	2.7	.5										3.2	2.9	2.0
(E) 080-100	2.4	.5										2.9	2.4	2.0
110-130	1.7	.7										2.4	3.9	3.5
140-160	4.2	1.2										5.4	3.8	3.0
(S) 170-190	4.0	7.3	4.4	.5	.2							16.4	7.5	8.0
200-220	2.9	5.4	4.6	1.7	.2	.2						14.8	9.0	8.0
230-250	3.9	4.2	4.0	1.3								13.5	8.2	8.0
(W) 260-280	1.5	1.7	1.9	.3								5.4	8.3	9.0
290-310	1.0	1.5	.5									3.0	6.4	6.5
320-340	.7	1.2										1.9	4.8	6.0
VARIABLE		.5	.5	.5								1.5	11.4	11.0
CALM	////////////////////////////////////											21.2	////////	
TOTALS	29.9	27.4	16.7	4.3	.4	.2						100.0	5.4	6.0

TOTAL NUMBER OF OBSERVATIONS 593

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	1.5										3.7	3.5	3.0
020-040	2.8	1.2	.6									4.6	5.3	4.0
050-070	1.5	.6										2.2	3.1	2.0
(E) 080-100	1.5	.6										2.2	3.3	3.0
110-130	.9											.9	1.7	2.0
140-160	4.9	2.2										7.1	3.8	4.0
(S) 170-190	3.7	8.3	6.2	.3								18.5	7.6	7.5
200-220	2.8	4.0	2.8	1.5								11.1	8.6	7.0
230-250	1.2	3.4	4.0	.6	.6							9.9	9.9	10.0
(W) 260-280	1.5	1.2	2.8	.3								5.9	8.6	10.0
290-310	.9	1.5	.6	.3								3.4	7.6	6.0
320-340	1.2	.6		.3								2.2	5.9	3.0
VARIABLE			1.5	.3								1.9	13.7	14.0
CALM	////////////////////////////////////											26.5	////////	
TOTALS	25.1	25.1	18.5	3.6	.6							100.0	5.3	6.0

TOTAL NUMBER OF OBSERVATIONS 324

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	1.4	.3	.1	.0							4.9	4.5	4.0
020-040	2.4	1.6	.2									4.2	4.6	4.0
050-070	1.9	.8										2.7	3.6	3.0
(E) 080-100	1.7	.5	.1									2.2	3.1	2.0
110-130	1.8	.5										2.3	3.2	3.0
140-160	4.0	2.6	.2	.0								6.9	4.6	4.0
(S) 170-190	3.1	9.7	5.1	.5	.1							18.4	7.8	8.0
200-220	1.7	3.3	4.8	1.3	.2	.1						11.3	9.7	10.0
230-250	1.9	4.8	4.0	.9	.4	.0						12.0	9.2	9.0
(W) 260-280	1.4	2.9	3.1	.4	.3							8.0	9.1	9.0
290-310	1.2	1.2	.5	.0	.0							2.9	6.2	6.0
320-340	1.4	.9	.2	.1								2.7	5.0	4.0
VARIABLE	.1	.6	1.2	.3								2.2	11.0	11.0
CALM	////////////////////											19.3	////////	
TOTALS	25.7	30.8	19.7	3.6	1.0	.1						100.0	5.9	7.0

TOTAL NUMBER OF OBSERVATIONS 3761

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.2	1.8	.2									8.2	3.6	3.0
020-040	4.3	2.8	.8									7.9	4.8	4.0
050-070	2.1	.2										2.3	2.3	2.0
(E) 080-100	2.5	.4										2.9	2.4	2.0
110-130	3.6	.3										3.9	2.6	2.0
140-160	7.7	3.1	.3									11.1	4.0	4.0
(S) 170-190	4.8	10.4	3.4		.1							18.6	6.6	7.0
200-220	1.0	1.6	.3	.2								3.1	6.8	6.0
230-250	1.0	.6	.1									1.7	5.4	4.0
(W) 260-280	1.3			.1	.1							1.5	4.8	2.5
290-310	.8	.1		.1								1.0	4.8	3.0
320-340	1.2	.5										1.7	3.7	3.0
VARIABLE														
CALM	////////////////////////////////////											35.9	////////////////////////////////	
TOTALS	36.5	21.8	5.1	.4	.2							100.0	3.1	4.0

TOTAL NUMBER OF OBSERVATIONS 924

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: 06-08

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		6.0	4.1	.6									10.8	4.4	4.0
020-040		6.2	4.1	.5									10.8	4.5	4.0
050-070		3.6	2.4	.5									6.5	4.3	4.0
(E) 080-100		1.6	.5										2.1	3.2	3.0
110-130		1.3											1.3	1.9	2.0
140-160		2.2	2.7	.2									5.1	5.2	5.0
(S) 170-190		2.1	4.4	2.5	.3								9.4	7.5	7.0
200-220		.6	2.7	3.3	1.6	.5							8.7	11.3	11.0
230-250		1.1	3.2	1.4	.8		.2						6.7	9.0	8.0
(W) 260-280		.5	.5	1.3	.5	.3							3.0	11.2	10.0
290-310		1.7	1.7	.6									4.1	6.0	5.5
320-340		1.4	1.0	.2	.2								2.7	5.6	4.0
VARIABLE															
CALM		////////////////////////////////////										29.0	////////////////////////////////		
TOTALS		28.3	27.3	11.1	3.4	.8	.2						100.0	4.6	5.0
TOTAL NUMBER OF OBSERVATIONS 631															

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.6	6.4	.6									13.5	4.8	5.0
020-040	6.4	4.3	1.0									11.7	4.9	4.0
050-070	2.8	4.1	.3									7.3	5.1	5.0
(E) 080-100	1.7	.7	.1									2.6	3.8	4.0
110-130	.9	.3										1.1	3.1	2.5
140-160	1.6	1.4	.4									3.4	5.2	5.0
(S) 170-190	2.6	5.8	2.6	.3								11.3	7.1	7.0
200-220	1.3	2.8	2.8	1.1	.6							8.7	10.3	10.0
230-250	.6	2.1	1.3	1.3	.6	.1	.1					6.1	11.9	11.0
(W) 260-280	.7	1.3	1.6	.6								4.1	9.6	10.0
290-310	2.1	1.0	1.3	.4								4.8	7.1	6.5
320-340	2.6	1.9	.6	.3	.1							5.4	6.1	5.0
VARIABLE		.7	.1	.3								1.1	10.5	8.0
CALM	////////////////////////////////////											18.8	////////	
TOTALS	29.9	32.8	12.7	4.3	1.3	.1	.1					100.0	5.5	6.0

TOTAL NUMBER OF OBSERVATIONS 702

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280 STATION NAME: COLEMAN AAF/MANNHEIM DL PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: - 1 MONTH: FEB HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.4	8.8	1.3	.1								17.5	5.3	5.0
020-040	3.3	4.7	1.8									9.8	6.0	6.0
050-070	2.5	3.1	1.3									6.9	5.8	5.0
(E) 080-100	1.1	1.7	.4									3.3	6.2	6.0
110-130	1.1	.7										1.8	3.8	4.0
140-160	2.4	1.1										3.5	3.9	4.0
(S) 170-190	3.0	4.0	1.8	.3								9.1	6.7	6.0
200-220	1.7	3.3	2.7	1.1	.1	.3						9.2	9.2	9.0
230-250	.6	1.8	2.1	2.1	.1	.1						6.9	12.0	12.0
(W) 260-280	1.0	2.0	3.4	1.1	.1			.1				7.8	10.6	11.0
290-310	1.1	1.1	1.4	.6	.7							5.0	10.6	10.0
320-340	3.8	1.7	.6		.1				.1			6.4	5.8	4.0
VARIABLE		1.7	1.0	.3	.3							3.3	10.7	9.0
CALM	////////////////////////////////////											9.6	////////	
TOTALS	29.0	35.7	17.8	5.6	1.4	.4		.1	.1			100.0	6.7	6.0

TOTAL NUMBER OF OBSERVATIONS 707

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.4	5.5	.5									13.4	4.8	4.0
020-040	2.7	7.0	1.4									11.1	6.4	7.0
050-070	1.4	4.9	1.5									7.8	6.8	7.0
(E) 080-100	.9	3.6	.5									5.0	6.8	7.0
110-130	1.4	.3	.2									1.8	3.8	2.5
140-160	1.2	1.5	.2									2.9	4.9	5.0
(S) 170-190	2.6	2.9	1.1									6.5	6.0	6.0
200-220	2.3	2.7	3.8	.6								9.4	9.1	9.0
230-250	.8	2.9	2.4	2.0			.2					8.2	11.2	11.0
(W) 260-280	2.3	2.4	1.8	1.7	.3	.2						8.7	9.4	9.0
290-310	2.4	2.0	1.5		.3	.6		.2				7.0	9.3	8.0
320-340	4.3	2.0	.8		.2							7.1	5.1	4.0
VARIABLE		1.4	1.1	.2								2.6	9.7	9.0
CALM	////////////////////////////////////											8.5	////////	
TOTALS	29.7	39.1	16.8	4.5	.8	.8	.2	.2				100.0	6.7	7.0
TOTAL NUMBER OF OBSERVATIONS 658														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.5	2.4										7.9	3.7	3.0
020-040	5.0	4.5	.2									9.7	4.6	4.0
050-070	6.4	3.4	.2									9.9	3.8	4.0
(E) 080-100	3.5	2.7										6.2	4.2	4.0
110-130	1.8	.3										2.2	2.8	3.0
140-160	3.0	.5										3.5	3.2	3.0
(S) 170-190	1.7	3.4	1.7	.3								7.1	7.5	6.5
200-220	.7	3.2	3.0	.3	.2							7.4	9.6	9.0
230-250	.7	4.2	2.9	.3					.3			8.4	9.7	8.0
(W) 260-280	1.7	2.7	1.7	.5	.8							7.4	9.4	8.5
290-310	2.4	2.0	.2									4.5	4.6	4.0
320-340	1.5	.7		.5								2.7	6.2	4.0
VARIABLE		.2	.2	.5								.8	13.6	15.0
CALM	////////////////////////////////////											22.2	////////////////////////////////	
TOTALS	33.9	30.2	10.1	2.4	1.0				.3			100.0	4.8	5.0
TOTAL NUMBER OF OBSERVATIONS 595														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.3	2.1	.3									6.7	4.2	4.0
020-040	5.5	5.8	.6									12.0	4.9	5.0
050-070	5.8	3.4										9.2	3.9	3.5
(E) 080-100	2.5	1.5										4.0	3.9	4.0
110-130	2.1	.6										2.8	3.7	3.0
140-160	2.5	.6										3.1	3.2	2.5
(S) 170-190	3.4	4.0	1.5	.3								9.2	6.2	5.0
200-220	.3	3.4	1.5	.3								5.5	8.9	9.0
230-250	.6	3.1	2.1	.6	.3							6.7	9.3	8.5
(W) 260-280	.9	2.1	.9		.6	.3						4.9	9.8	7.0
290-310	1.2	.6				.3						2.1	7.6	4.0
320-340	2.1	1.2	.3									3.7	4.3	3.5
VARIABLE			.3									.3	12.0	12.0
CALM	////////////////////////////////////											29.8	////////////////////////////////	
TOTALS	31.2	28.4	7.5	1.2	.9	.6						100.0	4.1	5.0

TOTAL NUMBER OF OBSERVATIONS 326

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.4	5.3	.6	.0								12.3	4.7	4.0
020-040	4.8	5.0	1.0									10.7	5.3	5.0
050-070	3.5	3.6	.7									7.8	5.0	5.0
(E) 080-100	1.8	1.8	.2									3.8	5.0	5.0
110-130	1.4	.4	.0									1.7	3.3	3.0
140-160	2.1	1.4	.1									3.6	4.5	4.0
(S) 170-190	2.5	4.1	1.9	.2								8.8	6.9	6.0
200-220	1.2	3.0	3.0	.9	.2	.1						8.4	9.8	9.0
230-250	.7	2.8	2.0	1.3	.2	.1	.1		.1			7.2	10.7	10.0
(W) 260-280	1.2	1.8	1.9	.8	.3	.1		.0				6.1	9.9	10.0
290-310	1.9	1.5	.9	.2	.2	.1		.0				4.8	7.9	6.0
320-340	2.7	1.4	.4	.2	.1				.0			4.8	5.6	4.0
VARIABLE		.7	.5	.2	.1							1.5	10.6	9.5
CALM	////////////////////											18.5	////////////////	
TOTALS	30.2	32.8	13.2	3.8	1.1	.4	.1		.1			100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS 3620

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	12.2	7.5	.4									20.1	3.9	4.0
020-040	6.2	5.3	.2									11.7	4.5	4.0
050-070	2.0	1.0	.1									3.1	3.7	2.0
(E) 080-100	.7											.7	2.5	2.5
110-130	1.4	.1										1.5	2.3	2.0
140-160	3.2	.9										4.1	3.7	4.0
(S) 170-190	3.2	2.7	1.0	.4								7.3	6.3	6.0
200-220	1.5	2.2	.6	.9								5.2	7.9	7.0
230-250	.5	.5										1.0	4.4	4.0
(W) 260-280	1.4											1.4	1.9	2.0
290-310	2.3		.1			.1						2.6	3.6	2.0
320-340	5.3	1.7	.5						.1			7.7	4.6	3.0
VARIABLE														
CALM	////////////////////////////////////											33.6	////////////////////////////////	
TOTALS	39.9	21.9	2.9	1.3		.1			.1			100.0	3.0	4.0

TOTAL NUMBER OF OBSERVATIONS 809

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		6.7										6.7	7.5	7.5
020-040		6.7										6.7	6.0	6.0
050-070	6.7											6.7	1.0	1.0
(E) 080-100														
110-130														
140-160	3.3											3.3	2.0	2.0
(S) 170-190	3.3	6.7	3.3									13.3	7.5	7.5
200-220		10.0	3.3									13.3	7.8	7.5
230-250														
(W) 260-280	3.3	3.3	3.3									10.0	6.3	8.0
290-310	3.3											3.3	2.0	2.0
320-340		3.3										3.3	5.0	5.0
VARIABLE														
CALM	////////////////////////////////////											33.3	////////////////////////////////	
TOTALS	19.9	36.7	9.9									100.0	3.9	6.5
TOTAL NUMBER OF OBSERVATIONS 30														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.9	2.8	.3									6.0	4.8	5.0
020-040	3.2	1.9	.4									5.6	4.3	4.0
050-070	2.4	.7	.4									3.5	4.5	3.0
(E) 080-100	1.1	.1										1.2	2.8	2.0
110-130	.6											.6	2.0	2.0
140-160	3.6	2.5										6.1	4.4	4.0
(S) 170-190	3.3	9.2	2.6	.4								15.6	7.0	7.0
200-220	1.3	4.9	4.0	.8								11.0	8.7	9.0
230-250	1.3	3.8	2.9	.3								8.2	8.0	8.0
(W) 260-280	1.5	2.2	1.3		.3	.1						5.4	8.1	6.0
290-310	1.5	1.4	.4	.3								3.6	6.0	5.0
320-340	1.0	.6	.3									1.8	5.2	3.0
VARIABLE		.6	.3	.3	.1							1.2	11.4	10.0
CALM	////////////////////////////////////											30.3	////////	
TOTALS	23.7	30.7	12.9	2.1	.4	.1						100.0	4.6	6.0

TOTAL NUMBER OF OBSERVATIONS 720

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.5	3.1	.4									9.0	4.1	4.0
020-040	4.9	2.4	.8	.1								8.2	5.0	4.0
050-070	2.6	1.7	.3	.3								4.8	5.2	4.0
(E) 080-100	.9	.4										1.3	4.6	4.0
110-130	.4	.1										.5	3.5	3.0
140-160	2.3	.8	.1									3.2	3.9	4.0
(S) 170-190	2.4	11.0	3.5	.3								17.1	7.4	7.0
200-220	1.4	4.4	5.2	.8								11.7	9.1	10.0
230-250	1.0	5.0	3.4	.8								10.2	9.0	9.0
(W) 260-280	.8	2.4	2.8	1.2	.4							7.6	10.7	10.0
290-310	.9	1.0	.9	.1								3.0	7.5	7.0
320-340	2.4	2.6	1.0	.1								6.2	6.1	6.0
VARIABLE	.1	1.4	1.5	.6								3.7	11.0	11.0
CALM	////////////////////////////////////											13.4	////////	
TOTALS	25.6	36.3	19.9	4.3	.4							100.0	6.3	7.0

TOTAL NUMBER OF OBSERVATIONS 776

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.3	3.0	1.0									8.4	5.1	4.0
020-040	4.0	2.3	1.2	.3								7.8	5.8	4.0
050-070	1.4	2.2	.7	.4								4.7	6.4	5.0
(E) 080-100	.8	.7										1.4	4.5	4.0
110-130	.8	.4										1.2	3.6	4.0
140-160	1.6	.8	.1									2.5	4.6	4.0
(S) 170-190	3.5	5.1	3.3									11.9	6.8	7.0
200-220	1.8	4.3	5.7	1.3	.1							13.3	9.6	10.0
230-250	2.3	4.7	5.1	1.0	.5	.1						13.8	9.3	9.0
(W) 260-280	2.6	2.7	4.6	.8	.4	.1						11.2	9.3	10.0
290-310	1.2	1.3	1.3	.7	.1							4.6	9.2	9.0
320-340	3.4	2.7	1.8	.4								8.4	6.6	6.0
VARIABLE	.3	3.0	2.0	1.0	.3							6.5	10.7	9.5
CALM	////////////////////////////////////											4.3	////////	
TOTALS	28.0	33.2	26.8	5.9	1.4	.2						100.0	7.5	7.0

TOTAL NUMBER OF OBSERVATIONS 766

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	4.3	1.5	.1								9.1	6.2	5.0
020-040	3.3	2.4	1.2									6.9	5.9	5.0
050-070	1.4	3.5	.9	.1								6.0	6.7	7.0
(E) 080-100	.4	1.6	.1									2.2	6.1	6.0
110-130	1.2	1.1										2.3	4.4	4.0
140-160	.7	.8										1.5	4.6	5.0
(S) 170-190	1.6	5.0	2.2									8.8	7.1	7.0
200-220	1.4	3.8	3.8	1.5	.3							10.7	9.7	10.0
230-250	1.6	6.0	3.5	1.1								12.2	8.9	8.0
(W) 260-280	2.2	4.3	3.8	.3	.7							11.2	9.0	9.0
290-310	1.1	5.1	1.9	.4	.1							8.7	8.1	8.0
320-340	2.7	3.4	.8	.5								7.5	6.5	6.0
VARIABLE		2.3	3.8	.5								6.6	10.7	10.0
CALM	////////////////////////////////////											6.4	////////	
TOTALS	20.7	43.6	23.5	4.5	1.1							100.0	7.3	7.0

TOTAL NUMBER OF OBSERVATIONS 738

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.1	3.1	.3	.3								7.7	5.1	4.0
020-040	3.6	2.0	.7									6.4	4.8	4.0
050-070	3.6	.6	.4	.1								4.8	4.4	3.0
(E) 080-100	4.8	1.2										6.0	3.3	3.0
110-130	2.0	.6	.1									2.8	4.1	3.0
140-160	1.9	.3										2.2	3.6	3.0
(S) 170-190	1.3	4.5	2.6	.3								8.7	7.8	7.0
200-220	1.6	4.8	3.1	1.0	.1							10.6	8.6	8.0
230-250	4.1	5.8	3.6	.9	.1							14.5	7.8	7.0
(W) 260-280	1.7	3.6	1.7	.7								7.8	7.8	7.0
290-310	2.5	2.8	1.2	.4								6.8	6.8	6.0
320-340	1.3	1.2	.4									2.9	5.3	5.0
VARIABLE		.3	.4									.7	10.8	11.0
CALM	////////////////////////////////////											18.0	////////	
TOTALS	32.5	30.8	14.5	3.7	.2							100.0	5.3	6.0

TOTAL NUMBER OF OBSERVATIONS 688

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	.9	.3									3.4	3.8	2.0
020-040	2.0	1.4	.3									3.7	4.6	4.0
050-070	5.2		.6									5.7	3.1	2.0
(E) 080-100	2.0	1.1										3.2	3.6	4.0
110-130	2.3	.3										2.6	3.1	3.0
140-160	2.3	2.0										4.3	4.3	4.0
(S) 170-190	1.7	4.9	1.4	.6								8.6	7.5	6.5
200-220	2.3	6.3	1.7	1.4	.3							12.0	8.3	8.0
230-250	3.4	5.7	2.9	.9								12.9	7.5	7.0
(W) 260-280	2.0	4.6	.6	.3								7.4	6.3	6.0
290-310	1.1	2.3	1.1									4.6	6.8	7.0
320-340	1.4	.9	.6									2.9	5.1	4.0
VARIABLE			.6									.6	14.0	14.0
CALM	////////////////////////////////////											28.1	////////////////////////////////	
TOTALS	28.0	30.4	10.1	3.2	.3							100.0	4.5	5.0
TOTAL NUMBER OF OBSERVATIONS 349														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.8	3.1	.7	.1								7.6	5.0	4.0
020-040	3.6	2.2	.8	.1								6.7	5.2	4.0
050-070	2.5	1.6	.5	.2								4.8	5.3	4.0
(E) 080-100	1.6	.8	.0									2.4	4.0	4.0
110-130	1.1	.4	.0									1.5	3.8	3.0
140-160	2.0	1.1	.0									3.2	4.2	4.0
(S) 170-190	2.4	6.8	2.7	.2								12.2	7.2	7.0
200-220	1.5	4.6	4.2	1.1	.1							11.6	9.1	9.0
230-250	2.1	5.1	3.6	.8	.1	.0						11.8	8.5	8.0
(W) 260-280	1.8	3.2	2.7	.6	.3	.0						8.6	8.9	8.0
290-310	1.4	2.3	1.1	.3	.0							5.2	7.5	7.0
320-340	2.1	2.0	.9	.2								5.2	6.2	6.0
VARIABLE	.1	1.4	1.5	.5	.1							3.5	10.9	10.0
CALM	////////////////////											15.6	////////	
TOTALS	26.0	34.6	18.7	4.1	.6							100.0	6.1	7.0

TOTAL NUMBER OF OBSERVATIONS 4067

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280 STATION NAME: COLEMAN AAF/MANNHEIM DL PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: - 1 MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	9.7	3.7										13.4	3.3	2.0
020-040	8.1	3.7	2.2									13.9	5.2	4.0
050-070	3.8	1.3	.2									5.3	3.7	3.0
(E) 080-100	1.5	.2										1.6	3.0	3.0
110-130	.5	.2										.7	3.3	2.5
140-160	3.3	1.6										4.9	4.2	4.0
(S) 170-190	2.7	7.7	1.5	.4								12.3	6.8	7.0
200-220	1.3	3.7	.5									5.5	6.2	6.0
230-250	1.1	2.9	.4									4.4	5.8	6.0
(W) 260-280	.5	.7	.4									1.6	6.6	6.0
290-310	1.1	.5	.2									1.8	5.0	4.0
320-340	3.3	1.5	.5									5.3	4.9	4.0
VARIABLE														
CALM	////////////////////////////////////											29.1	////////	
TOTALS	36.9	27.7	5.9	.4								100.0	3.5	4.0

TOTAL NUMBER OF OBSERVATIONS 546

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.2	6.3										13.5	4.7	4.0
020-040	6.3	2.9										9.1	3.5	3.0
050-070	3.8	1.0										4.8	3.0	3.0
(E) 080-100	1.0	.5										1.4	3.3	3.0
110-130	.5											.5	3.0	3.0
140-160	3.8	1.0										4.8	3.2	3.5
(S) 170-190	1.9	5.8	1.0									8.7	6.1	7.0
200-220	1.4	1.9	.5	.5								4.3	6.9	7.0
230-250	1.4	4.8	1.0									7.2	6.5	6.0
(W) 260-280	1.4	2.4	1.0									4.8	5.9	5.0
290-310	1.9	1.4										3.4	3.9	4.0
320-340	1.9											1.9	2.8	2.5
VARIABLE		1.0										1.0	7.0	7.0
CALM	////////////////////////////////////											34.6	////////	
TOTALS	32.5	29.0	3.5	.5								100.0	3.1	4.5

TOTAL NUMBER OF OBSERVATIONS 208

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	9.0	6.9	1.0									16.9	4.7	4.0
020-040	4.8	4.3	.1									9.3	4.6	4.0
050-070	1.5	1.7										3.2	4.8	6.0
(E) 080-100	1.4	.6										1.9	3.3	3.0
110-130	.3											.3	1.0	1.0
140-160	3.0	1.1										4.1	3.5	3.0
(S) 170-190	3.0	4.4	.6									8.0	5.6	5.0
200-220	.8	3.0	.7	.3								4.8	7.4	8.0
230-250	1.1	3.3	1.8	.1	.1							6.5	7.6	7.0
(W) 260-280	1.9	3.5	.4									5.8	5.6	5.0
290-310	2.1	1.2	.4									3.7	4.6	4.0
320-340	2.3	1.0	.6									3.9	4.9	4.0
VARIABLE		.6	.6									1.1	9.4	9.0
CALM	////////////////////////////////////											30.5	////////	
TOTALS	31.2	31.6	6.2	.4	.1							100.0	3.7	5.0

TOTAL NUMBER OF OBSERVATIONS 724

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: 09-11

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		5.9	7.0	2.0									14.8	5.6	5.0
020-040		3.9	5.9	1.5									11.2	5.8	6.0
050-070		3.3	2.7	.5	.3								6.8	5.4	5.0
(E) 080-100		.9	.7	.4									2.0	5.7	5.0
110-130		.7	.5										1.2	4.3	4.0
140-160		1.5	1.3										2.8	4.8	4.0
(S) 170-190		3.6	5.7	1.2									10.6	6.1	6.0
200-220		1.9	3.3	1.7	.1								7.1	7.0	7.0
230-250		1.6	3.2	2.3	.3								7.4	8.0	8.0
(W) 260-280		1.3	3.2	1.6	.3								6.4	7.7	8.0
290-310		1.9	1.5	.7	.1								4.1	5.9	5.0
320-340		3.7	3.2	.8	.3								8.0	5.6	5.0
VARIABLE		.1	4.1	2.0	.3								6.6	9.0	9.0
CALM		////////////////////////////////////											11.0	////////	
TOTALS		30.3	42.3	14.7	1.7								100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS 748

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.4	6.5	2.0									12.8	6.3	6.0
020-040	1.7	3.7	2.0	.4								7.8	7.4	7.0
050-070	.8	1.8	1.1	.1								3.8	7.8	8.0
(E) 080-100	1.2	1.3	.9									3.4	6.1	5.0
110-130	1.3	.4										1.7	3.5	4.0
140-160	.8	2.2	.1									3.2	5.6	5.0
(S) 170-190	3.3	3.6	1.3									8.2	6.0	6.0
200-220	1.8	3.2	2.6	.1								7.8	7.9	8.0
230-250	2.6	3.7	2.2	.9	.1							9.6	8.0	7.0
(W) 260-280	1.6	2.9	2.1	.4								7.0	7.7	7.0
290-310	2.6	2.4	1.3	.1								6.5	6.3	6.0
320-340	4.8	4.6	1.5	.3								11.1	5.6	5.0
VARIABLE		6.3	5.8	.3								12.4	9.5	9.0
CALM	////////////////////////////////////											4.6	////////	
TOTALS	26.9	42.6	22.9	2.6	.1							100.0	6.7	7.0

TOTAL NUMBER OF OBSERVATIONS 757

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: 15-17

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.9	7.1	3.2	.1								13.3	7.0	7.0
020-040	2.7	4.0	2.7									9.5	7.2	7.0
050-070	1.4	2.9	.7									5.0	6.7	7.0
(E) 080-100	1.7	1.7	.6									4.0	6.0	5.0
110-130	1.3	1.7										3.0	5.0	5.0
140-160	1.7	1.9										3.6	4.6	5.0
(S) 170-190	2.4	5.2	.9									8.5	5.8	6.0
200-220	1.2	2.2	2.3	.1								5.8	8.3	8.5
230-250	1.2	2.7	2.4	.3								6.6	8.1	8.0
(W) 260-280	2.0	3.0	2.9	.4	.1							8.5	8.2	8.0
290-310	1.9	3.5	1.6	.4								7.3	7.2	7.0
320-340	4.3	5.8	1.4	.4	.1							12.1	6.3	5.5
VARIABLE		4.9	3.5	.4								8.8	9.9	9.0
CALM	////////////////////////////////////											3.9	////////////////////////////////	
TOTALS	24.7	46.6	22.2	2.1	.2							100.0	6.9	7.0

TOTAL NUMBER OF OBSERVATIONS 694

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280 STATION NAME: COLEMAN AAF/MANNHEIM DL PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: - 1 MONTH: APR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.3	5.9	2.4									11.6	6.3	6.0
020-040	2.9	4.1	1.9									8.9	6.8	6.5
050-070	3.8	2.5	.8									7.1	4.8	4.0
(E) 080-100	4.6	3.2	.3									8.1	4.7	4.0
110-130	3.5	1.3										4.8	3.6	3.0
140-160	2.4	1.9										4.3	4.2	4.0
(S) 170-190	1.4	2.9	.8									5.1	6.5	6.0
200-220	1.0	1.9	1.1	.2								4.1	7.8	6.0
230-250	2.1	2.7	1.1	.2								6.0	6.3	6.0
(W) 260-280	1.6	3.2	1.3	.3								6.3	7.3	6.0
290-310	2.7	2.7	1.6	.5								7.5	6.9	6.0
320-340	4.4	3.3	1.9	.3								10.0	6.2	5.0
VARIABLE		.8	1.4									2.2	10.3	10.0
CALM	////////////////////////////////////											14.0	////////	
TOTALS	33.7	36.4	14.6	1.5								100.0	5.3	6.0

TOTAL NUMBER OF OBSERVATIONS 630

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	2.7	2.2									8.1	5.8	5.0
020-040	4.9	5.4	.4									10.8	5.0	5.0
050-070	2.2	1.3	.4									4.0	4.9	4.0
(E) 080-100	4.9	1.3	.4									6.7	4.0	3.0
110-130	3.6											3.6	2.5	2.0
140-160	2.2	.4										2.7	4.0	4.0
(S) 170-190	1.8	2.7	.4									4.9	5.1	5.0
200-220	4.0	3.6	.9									8.5	5.7	5.0
230-250	2.2	1.3	.9									4.5	5.4	5.0
(W) 260-280	3.1	1.8	.9									5.8	4.8	4.0
290-310	4.5	1.3	.4									6.3	4.3	3.0
320-340	2.7	2.2	1.6									6.7	6.8	6.0
VARIABLE		.4										.4	8.0	8.0
CALM	////////////////////////////////////											26.9	////////////////////////////////	
TOTALS	39.2	24.4	8.7									100.0	3.7	4.0
TOTAL NUMBER OF OBSERVATIONS 223														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.1	6.4	2.0	.0								13.6	5.8	6.0
020-040	3.5	4.4	1.5	.1								9.4	6.0	6.0
050 070	2.2	2.2	.6	.1								5.1	5.6	5.0
(E) 080-100	2.0	1.4	.4									3.8	5.0	4.0
110-130	1.4	.7										2.1	3.8	4.0
140-160	2.0	1.6	.0									3.6	4.4	4.0
(S) 170-190	2.7	4.4	.9									8.0	5.9	6.0
200-220	1.5	2.8	1.6	.2								6.0	7.5	7.0
230-250	1.7	3.1	1.9	.3	.1							7.1	7.6	7.0
(W) 260-280	1.8	3.0	1.6	.3	.0							6.7	7.2	6.0
290-310	2.3	2.1	1.0	.2								5.7	6.2	5.0
320-340	3.7	3.3	1.2	.2	.0							8.5	5.8	5.0
VARIABLE	.0	3.1	2.4	.2								5.7	9.5	9.0
CALM	////////////////////////////////////											14.7	////////	
TOTALS	29.9	38.5	15.1	1.6	.1							100.0	5.4	6.0

TOTAL NUMBER OF OBSERVATIONS 3984

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	11.2	10.9	2.9									24.9	5.3	5.0
020-040	4.7	2.9	.8									8.3	4.6	3.5
050-070	1.3	.5										1.8	3.1	2.0
(E) 080-100	1.3	.5										1.8	3.7	4.0
110-130	.3	.5										.8	3.7	5.0
140-160	2.1	1.0										3.1	3.6	3.5
(S) 170-190	1.0	2.6	1.3									4.9	7.2	8.0
200-220	.5	1.3										1.8	6.3	7.0
230-250	2.1	1.0	.3									3.4	4.8	4.0
(W) 260-280	1.0	2.1	1.3									4.4	7.1	8.0
290-310	1.3	1.0										2.3	4.0	4.0
320-340	7.5	4.2	2.1									13.8	5.5	4.0
VARIABLE														
CALM	////////////////////////////////////											28.6	////////	
TOTALS	34.3	28.5	8.7									100.0	3.8	5.0

TOTAL NUMBER OF OBSERVATIONS 385

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.9	3.9	.5									8.3	5.1	5.0
020-040	5.8	.5	.5									6.8	3.8	3.5
050-070	1.0	.5										1.5	3.3	3.0
(E) 080-100	1.5	.5										1.9	2.5	2.0
110-130	1.0											1.0	2.0	2.0
140-160	6.3	.5										6.8	3.1	3.0
(S) 170-190	4.4	1.9	1.0									7.3	5.1	4.0
200-220	3.9	3.9	1.9									9.7	6.3	6.5
230-250	1.5	1.5	.5									3.4	5.4	5.0
(W) 260-280	3.4	2.4	.5									6.3	4.7	4.0
290-310	3.4	.5										3.9	3.1	3.0
320-340	2.4	1.0										3.4	4.0	4.0
VARIABLE														
CALM	////////////////////////////////////											39.8	////////	
TOTALS	38.5	17.1	4.9									100.0	2.7	4.0

TOTAL NUMBER OF OBSERVATIONS 206

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.6	4.5	1.0	.1								11.2	5.0	4.5
020-040	4.7	2.9										7.5	4.2	4.0
050-070	2.6	1.4										4.0	3.9	4.0
(E) 080-100	1.4	.7	.3									2.3	4.5	4.0
110-130	1.0	.4										1.4	3.7	3.5
140-160	4.3	1.0										5.2	3.4	3.0
(S) 170-190	3.7	5.3	1.5									10.6	5.9	6.0
200-220	1.1	2.9	1.9									5.9	7.1	7.0
230-250	3.0	2.9	2.1									8.0	6.5	6.0
(W) 260-280	2.3	2.9	.4									5.6	5.1	5.0
290-310	2.2	1.1	.1									3.4	4.2	4.0
320-340	3.7	2.1	.4									6.2	4.5	4.0
VARIABLE		.3	.1									.4	9.0	9.0
CALM	////////////////////////////////////											28.3	////////	
TOTALS	35.6	28.4	7.8	.1								100.0	3.7	5.0

TOTAL NUMBER OF OBSERVATIONS 729

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.2	7.3	.7									13.2	5.2	5.0
020-040	3.1	2.2	.7									6.0	5.3	4.0
050-070	1.2	2.7	.1									4.1	5.6	6.0
(E) 080-100	1.1	1.2	.3									2.6	5.7	5.0
110-130	1.2	1.1										2.3	4.5	4.0
140-160	2.6	1.1	.4									4.1	4.6	4.0
(S) 170-190	5.0	4.3	1.8									11.1	5.7	5.0
200-220	2.7	4.1	1.8									8.6	6.3	6.0
230-250	3.4	4.3	2.9	.3								10.9	7.1	7.0
(W) 260-280	3.3	2.4	1.5									7.2	5.8	5.0
290-310	5.2	1.6	.1									6.9	3.7	3.0
320-340	5.3	3.8	.3	.1								9.5	4.5	4.0
VARIABLE		3.7	.7	.3	.1							4.8	9.2	8.0
CALM	////////////////////////////////////											8.8	////////	
TOTALS	39.3	39.8	11.3	.7	.1							100.0	5.2	5.0
TOTAL NUMBER OF OBSERVATIONS 736														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.6	5.0	1.4									11.0	5.7	5.0
020-040	2.7	2.7	1.1									6.5	5.7	5.0
050-070	1.6	2.7	.7									5.0	6.2	6.0
(E) 080-100	.7	1.5	.3									2.4	6.1	6.0
110-130	1.4	.4										1.8	3.7	3.0
140-160	1.8	2.4										4.2	4.9	5.0
(S) 170-190	2.6	4.7	.8									8.1	5.9	6.0
200-220	3.0	3.7	2.2	.1								8.9	7.1	7.0
230-250	3.4	5.1	2.0	.3								10.8	6.8	7.5
(W) 260-280	3.1	3.9	.7	.1	.1							8.0	6.0	6.0
290-310	4.5	3.9	.5		.1							9.1	5.0	5.0
320-340	4.5	6.9	.8									12.2	5.5	6.0
VARIABLE		5.0	2.4	.5								8.0	9.7	9.0
CALM	////////////////////////////////////											4.1	////////	
TOTALS	33.9	47.9	12.9	1.0	.2							100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 739

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.2	5.2	1.2	.1								10.7	6.0	6.0
020-040	3.1	4.6	.9									8.6	5.8	5.0
050-070	2.5	3.4	1.0									7.0	6.3	6.0
(E) 080-100	2.2	2.4	.7	.3								5.7	6.4	5.5
110-130	1.8	1.5	.1									3.4	4.6	4.0
140-160	.9	.7										1.6	4.7	4.0
(S) 170-190	3.0	4.3	1.0									8.3	5.9	5.0
200-220	1.6	3.4	1.8	.1	.1							7.1	7.5	7.0
230-250	3.3	4.0	3.0	.6								10.9	7.6	7.0
(W) 260-280	4.0	3.4	1.8									9.2	6.0	5.0
290-310	4.0	4.2	.7	.7								9.7	6.0	5.0
320-340	4.5	4.5	.7									9.7	5.3	5.0
VARIABLE		3.7	1.0									4.8	8.5	8.0
CALM	////////////////////////////////////											3.3	////////	
TOTALS	35.1	45.3	13.9	1.8	.1							100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS 672

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.0	3.0	.8									9.8	4.5	4.0
020-040	5.1	3.6	.5									9.3	4.8	4.0
050-070	5.1	2.6	.3									8.1	4.3	4.0
(E) 080-100	2.6	2.6	.3									5.6	4.8	5.0
110-130	3.3	1.0										4.3	3.6	4.0
140-160	3.3	1.2										4.5	3.4	3.0
(S) 170-190	3.3	3.3	.2									6.8	5.0	5.0
200-220	3.1	2.2	.7	.2								6.1	5.6	4.0
230-250	4.0	5.3	.8									10.1	5.7	5.0
(W) 260-280	3.6	2.8	.8									7.3	5.4	4.5
290-310	3.1	2.5	.2									5.8	4.6	4.0
320-340	4.0	2.3	.2									6.5	4.2	4.0
VARIABLE		1.7	.5									2.2	8.5	8.0
CALM	////////////////////////////////////											13.7	////////	
TOTALS	46.5	34.1	5.3	.2								100.0	4.2	4.0

TOTAL NUMBER OF OBSERVATIONS 604

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.0	1.4	.5									6.9	3.8	3.0
020-040	5.0	1.4										6.4	3.4	3.0
050-070	8.3	.9										9.2	2.8	2.0
(E) 080-100	3.7	.9										4.6	3.2	3.0
110-130	2.3											2.3	2.0	2.0
140-160	2.8	.5										3.2	3.1	2.0
(S) 170-190	2.3	2.8										5.0	4.6	5.0
200-220	5.5	3.2	.9									9.6	4.9	4.0
230-250	5.0	5.0										10.1	4.6	4.5
(W) 260-280	.9	.9										1.8	4.3	4.5
290-310	3.2	.5										3.7	2.9	2.5
320-340	2.3	2.8	.5									5.5	4.9	5.0
VARIABLE														
CALM	////////////////////////////////////											31.7	////////	
TOTALS	46.3	20.3	1.9									100.0	2.7	3.0

TOTAL NUMBER OF OBSERVATIONS 218

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: ALL

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	5.0	4.8	.9	.1								10.8	5.3	5.0
020-040	3.9	2.9	.6								7.4	5.0	4.0	
050-070	2.8	2.4	.4								5.5	5.1	4.0	
(E) 080-100	1.7	1.5	.3	.1								3.6	5.3	5.0
110-130	1.7	.8	.0								2.5	3.9	4.0	
140-160	2.8	1.2	.1								4.0	4.0	4.0	
(S) 170-190	3.5	4.2	1.0								8.8	5.7	5.0	
200-220	2.6	3.3	1.7	.1	.0							7.6	6.6	6.0
230-250	3.4	4.2	2.0	.2							9.8	6.6	6.0	
(W) 260-280	3.1	2.9	.9	.0	.0							7.1	5.6	5.0
290-310	3.8	2.4	.3	.1	.0							6.6	4.8	4.0
320-340	4.2	3.7	.5	.0							8.4	4.9	5.0	
VARIABLE	2.6		.9	.2	.0							3.6	9.2	8.0
CALM	////////////////////////////////////											14.3	//////////	
TOTALS	38.5	36.9	9.6	.8								100.0	4.8	5.0

TOTAL NUMBER OF OBSERVATIONS 3904

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280 STATION NAME: COLEMAN AAF/MANNHEIM DL PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: - 1 MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GF 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.2	7.9		.4								15.5	4.7	5.0
020-040	5.1	3.6	1.8									10.5	6.0	5.0
050-070	1.8											1.8	1.8	2.0
(E) 080-100	1.4											1.4	2.3	2.5
110-130	.7	.7										1.4	3.5	3.5
140-160	2.5	.4										2.9	2.9	2.5
(S) 170-190	2.2	1.4	2.5									6.1	7.1	6.0
200-220	1.1	2.2	1.8	.4								5.4	7.5	8.0
230-250	2.9	1.8	.4									5.1	4.1	4.0
(W) 260-280	4.0	.7										4.7	3.2	3.0
290-310	4.7	2.5		.4								7.6	4.6	4.0
320-340	3.6	2.9	.7									7.2	5.2	4.5
VARIABLE														
CALM	////////////////////////////////////											30.3	////////////////////////////////	
TOTALS	37.2	24.1	7.2	1.2								100.0	3.5	4.0

TOTAL NUMBER OF OBSERVATIONS 277

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.4	1.5										5.8	3.3	3.5
020-040	2.4	1.0	.5									3.9	4.5	3.5
050-070	1.5											1.5	2.0	2.0
(E) 080-100														
110-130	1.5											1.5	1.3	1.0
140-160	4.4											4.4	3.0	3.0
(S) 170-190	5.8	3.9										9.7	4.4	4.0
200-220	3.9	2.9	.5									7.3	5.3	4.0
230-250	3.9	3.9	.5									8.3	4.9	5.0
(W) 260-280	3.4	1.9	.5									5.8	4.6	4.0
290-310	2.9	.5										3.4	3.6	4.0
320-340	3.9	1.0										4.9	3.3	2.5
VARIABLE														
CALM	////////////////////////////////////											43.7	////////////////////////////////	
TOTALS	38.0	16.6	2.0									100.0	2.3	4.0

TOTAL NUMBER OF OBSERVATIONS 206

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.3	2.9	.3									10.5	3.8	3.0
020-040	5.2	2.2										7.4	3.6	3.5
050-070	.6											.6	2.5	2.0
(E) 080-100	1.1											1.1	1.9	2.0
110-130	1.5											1.5	2.2	2.0
140-160	4.6	.8										5.4	3.4	3.0
(S) 170-190	4.0	6.3	.8									11.2	5.5	5.0
200-220	2.8	2.2	.3	.1								5.4	5.2	4.0
230-250	2.3	5.7	1.5	.6								10.1	7.1	7.0
(W) 260-280	2.3	2.8	.3	.3								5.7	5.3	5.0
290-310	3.6	1.9										5.5	3.5	3.0
320-340	4.6	2.6	.3									7.4	4.0	4.0
VARIABLE		1.0	.7									1.7	9.0	9.0
CALM	////////////////////////////////////											26.6	////////////////////////////////	
TOTALS	39.9	28.4	4.2	1.0								100.0	3.5	4.0

TOTAL NUMBER OF OBSERVATIONS 725

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.3	5.8	.7									12.8	4.8	5.0
020-040	3.2	3.0	.4									6.6	4.9	5.0
050-070	1.1	.9	.3									2.3	5.2	5.0
(E) 080-100	1.1	.5	.1									1.8	4.4	4.0
110-130	.7	.3										.9	3.1	3.0
140-160	1.9	2.2										4.0	4.5	5.0
(S) 170-190	2.7	5.3	1.1									9.0	5.9	6.0
200-220	3.0	5.4	1.5	.1								10.0	6.5	6.0
230-250	4.3	4.7	2.6	.1								11.7	6.4	6.0
(W) 260-280	2.4	5.0	1.6	.3								9.3	6.5	6.0
290-310	4.6	3.4										8.0	3.7	4.0
320-340	8.1	3.0	.9									12.0	4.5	4.0
VARIABLE		4.2	1.9	.3								6.3	9.0	8.0
CALM	////////////////////////////////////											5.3	////////	
TOTALS	39.4	43.7	11.1	.8								100.0	5.3	5.0

TOTAL NUMBER OF OBSERVATIONS 742

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.9	4.1	1.4									8.3	6.2	6.0
020-040	3.4	2.3										5.7	4.1	4.0
050-070	1.6	1.6	.3									3.5	5.3	5.0
(E) 080-100	.5	1.2	.1									1.9	5.8	6.0
110-130	.8	.7										1.5	4.2	4.0
140-160	1.4	1.1	.1									2.6	4.8	4.0
(S) 170-190	1.6	3.3	.3	.1								5.3	5.9	5.0
200-220	1.6	4.1	1.5	.1								7.4	7.2	7.0
230-250	3.8	6.7	3.5	.4	.1							14.6	7.2	7.0
(W) 260-280	2.9	4.4	2.7	.4								10.4	7.2	7.0
290-310	6.0	4.6	.8									11.4	4.9	4.0
320-340	6.3	6.1	1.1			.1						13.6	5.3	5.0
VARIABLE		6.5	3.5	.5	.1							10.8	9.5	8.0
CALM	////////////////////////////////////											3.0	////////	
TOTALS	32.8	46.7	15.3	1.5	.2	.1						100.0	6.2	6.0

TOTAL NUMBER OF OBSERVATIONS 734

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.4	5.3	.6									11.2	5.2	5.0
020-040	3.2	3.1	.4									6.7	4.8	5.0
050-070	2.6	2.5										5.1	4.7	4.0
(E) 080-100	1.2	1.9	.3									3.4	5.6	6.0
110-130	2.2	.9										3.1	4.1	4.0
140-160	1.0	.9	.1									2.0	4.9	4.5
(S) 170-190	1.3	1.5	.6									3.4	5.9	6.0
200-220	1.8	3.4	.9		.1							6.1	6.6	6.0
230-250	1.9	6.6	3.2	.9								12.6	8.1	8.0
(W) 260-280	2.8	8.5	3.5	.3								15.0	7.4	7.0
290-310	3.2	4.4	.7									8.3	5.4	5.0
320-340	5.3	5.0	.9	.1								11.2	5.0	5.0
VARIABLE		4.8	2.6	.3								7.7	9.3	8.0
CALM	////////////////////////////////////											4.1	////////////////////////////////	
TOTALS	31.9	48.8	13.8	1.6	.1							100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 685

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.4	5.2	.5									12.1	4.8	4.0
020-040	4.2	2.7										6.9	4.0	3.0
050-070	3.8	2.2										6.0	3.9	4.0
(E) 080-100	2.5	1.7	.3									4.6	4.3	3.0
110-130	2.8	.8										3.6	3.0	3.0
140-160	1.4	1.1										2.5	4.5	4.0
(S) 170-190	.8	3.3										4.1	6.1	6.0
200-220	1.4	2.5	.6									4.6	6.1	6.0
230-250	3.3	4.2	1.7	.2								9.4	6.1	5.0
(W) 260-280	4.9	6.6	2.7		.2							14.3	6.3	6.0
290-310	3.1	3.5		.2								6.8	4.8	5.0
320-340	4.4	3.5										7.9	4.3	4.0
VARIABLE		.8	.8									1.6	10.3	10.5
CALM	////////////////////////////////////											15.7	////////	
TOTALS	39.0	38.1	6.6	.4	.2							100.0	4.3	5.0
TOTAL NUMBER OF OBSERVATIONS 636														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 21-23

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		2.9	3.7										6.6	4.5	5.5
020-040		1.2	2.5										3.7	4.4	5.0
050-070		5.3											5.3	2.2	2.0
(E) 080-100		5.3											5.3	2.5	3.0
110-130		1.2											1.2	2.7	2.0
140-160		6.2	.8										7.0	2.9	2.0
(S) 170-190		1.2	3.3	.4									4.9	6.2	6.5
200-220		1.2	2.1	.8									4.1	6.3	6.0
230-250		4.5	5.3	1.6									11.5	5.7	5.0
(W) 260-280		4.1	2.9										7.0	4.7	4.0
290-310		2.1	1.2										3.3	3.9	3.5
320-340		3.3	1.6	.4									5.3	4.1	3.0
VARIABLE		.8										.8	7.5	7.5	
CALM		////////////////////////////////////										33.7	////////		
TOTALS		38.5	24.2	3.2									100.0	2.9	4.0

TOTAL NUMBER OF OBSERVATIONS 243

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280 STATION NAME: COLEMAN AAF/MANNHEIM DL PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: - 1 MONTH: JUN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.4	4.4	.6									10.4	4.8	4.0
020-040	3.6	2.5	.2									6.3	4.3	4.0
050-070	2.1	1.3	.1									3.4	4.3	4.0
(E) 080-100	1.4	.9	.2									2.5	4.4	4.0
110-130	1.5	.5										2.0	3.3	3.0
140-160	2.4	1.1	.1									3.6	4.0	4.0
(S) 170-190	2.3	3.9	.5	.0								6.7	5.7	6.0
200-220	2.2	3.4	.9	.1	.0							6.6	6.3	6.0
230-250	3.3	5.5	2.4	.4	.0							11.5	6.9	6.0
(W) 260-280	3.1	5.0	1.9	.2	.0							10.3	6.6	6.0
290-310	4.0	3.2	.3	.0								7.5	4.5	4.0
320-340	5.5	3.7	.6	.0		.0						9.9	4.7	4.0
VARIABLE		3.2	1.7	.2	.0							5.1	9.3	8.0
CALM	////////////////////////////////////											14.0	////////////////////////////////	
TOTALS	36.8	38.6	9.5	.9								100.0	4.8	5.0

TOTAL NUMBER OF OBSERVATIONS 3971

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.5	9.5	1.0									16.9	5.4	5.5
020-040	6.0	2.5										8.5	3.4	3.0
050-070	.5											.5	2.0	2.0
(E) 080-100	1.0											1.0	1.5	1.5
110-130	2.0											2.0	2.0	1.5
140-160	6.0	.5										6.5	3.3	3.0
(S) 170-190	2.0	2.5		.5								5.0	6.2	5.5
200-220	3.5	1.5										5.0	3.6	3.5
230-250	4.5	2.0	2.0									8.5	5.4	4.0
(W) 260-280	2.5	1.0			.5							4.0	5.4	2.0
290-310	3.5											3.5	2.6	3.0
320-340	9.5	2.5	.5									12.4	3.5	3.0
VARIABLE														
CALM	////////////////////											26.4	////////	
TOTALS	47.5	22.0	3.5	.5	.5							100.0	3.2	3.0

TOTAL NUMBER OF OBSERVATIONS 201

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.8	1.4										6.2	3.8	4.0
020-040	1.9	1.9										3.8	4.4	4.5
050-070	2.4											2.4	1.4	1.0
(E) 080-100	.5											.5	1.0	1.0
110-130	1.4											1.4	1.7	2.0
140-160	5.8	1.0										6.7	3.1	3.0
(S) 170-190	3.8	.5										4.3	3.3	3.0
200-220	1.4	1.0	.5									2.9	5.8	4.5
230-250	1.4	3.4										4.8	6.1	6.0
(W) 260-280	2.9	1.9										4.8	4.5	4.0
290-310	2.9	1.4										4.3	3.8	4.0
320-340	3.4	.5										3.8	2.5	2.0
VARIABLE		.5										.5	7.0	7.0
CALM	////////////////////////////////////											53.4	////////////////////////////////	
TOTALS	32.6	13.5	.5									100.0	1.8	3.0

TOTAL NUMBER OF OBSERVATIONS 208

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	9.8	4.8										14.5	3.6	3.0
020-040	5.0	3.1	.6									8.7	4.4	4.0
050-070	2.1	.1										2.2	2.4	2.0
(E) 080-100	.7	.1										.8	3.3	2.5
110-130	1.1	.1										1.3	2.6	2.0
140-160	2.7	.7										3.4	3.5	3.0
(S) 170-190	4.6	4.3	.1	.1								9.2	5.0	4.5
200-220	2.1	2.5	.3									4.9	5.1	5.0
230-250	2.5	3.5	1.3									7.3	6.2	6.0
(W) 260-280	2.4	2.5	.7									5.6	5.5	5.0
290-310	2.0	1.1										3.1	3.8	3.5
320-340	5.6	2.2	.1									8.0	3.8	4.0
VARIABLE		.3										.3	8.0	8.0
CALM	////////////////////////////////////											30.8	////////	
TOTALS	40.6	25.3	3.1	.1								100.0	3.1	4.0

TOTAL NUMBER OF OBSERVATIONS 715

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	9.5	8.6	.4									18.5	4.7	4.0
020-040	5.6	3.8	.5									10.0	4.4	4.0
050-070	1.9	1.2										3.2	4.1	4.0
(E) 080-100	1.0	1.2										2.2	4.8	5.0
110-130	1.2	.4										1.6	3.6	4.0
140-160	1.9	1.8	.1									3.8	4.4	4.5
(S) 170-190	4.2	5.3	.7	.1								10.4	5.5	5.5
200-220	2.1	3.6	.3	.1								6.0	6.1	6.0
230-250	2.3	3.8	.8	.1								7.1	6.3	6.0
(W) 260-280	3.7	4.8	1.4	.1								10.0	6.1	6.0
290-310	3.6	3.3	.1									7.0	4.7	4.0
320-340	6.2	4.2	.3									10.7	4.6	4.0
VARIABLE		3.4	1.0	.1								4.5	8.8	8.0
CALM	////////////////////////////////////											4.9	////////	
TOTALS	43.2	45.4	5.6	.5								100.0	5.0	5.0

TOTAL NUMBER OF OBSERVATIONS 730

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.6	7.9	1.1	.4								14.0	6.0	6.0
020-040	3.1	3.3	.1									6.5	4.8	5.0
050-070	2.0	1.9										4.0	4.5	4.0
(E) 080-100	1.5	1.6										3.1	4.7	5.0
110-130	1.6	.5										2.2	3.9	4.0
140-160	1.4	1.4										2.7	4.5	4.5
(S) 170-190	3.1	3.8	.4									7.4	5.4	5.0
200-220	2.7	3.8	2.5	.4								9.4	7.1	6.0
230-250	3.1	3.8	2.6	.3	.1							9.9	7.1	7.0
(W) 260-280	2.9	5.0	1.6									9.5	6.5	6.0
290-310	3.3	3.7	.8	.1								7.9	5.7	5.0
320-340	4.6	6.1	1.0									11.7	5.5	5.5
VARIABLE		6.8	2.6									9.4	8.8	8.0
CALM	////////////////////////////////////											2.2	////////	
TOTALS	33.9	49.6	12.7	1.2	.1							100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 734

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.2	8.8	1.2									14.2	6.1	6.0
020-040	3.3	3.0	.6									6.9	4.9	5.0
050-070	2.2	2.8										5.1	4.8	5.0
(E) 080-100	2.1	1.5	.1									3.7	4.4	4.0
110-130	1.5	1.6										3.1	4.7	5.0
140-160	1.6	2.8	.1									4.6	5.3	6.0
(S) 170-190	1.9	2.4	.4	.1								4.9	6.2	5.0
200-220	1.2	2.4	.9	.4								4.9	7.7	6.0
230-250	2.7	4.9	.9	.1	.1							8.8	6.5	6.0
(W) 260-280	2.4	6.3	1.5	.3								10.5	7.0	7.0
290-310	3.4	5.5	1.3									10.3	6.1	6.0
320-340	5.4	7.3	1.5									14.2	5.7	6.0
VARIABLE		4.3	1.3									5.7	8.3	8.0
CALM	////////////////////											3.0	////////	
TOTALS	31.9	53.6	9.8	.9	.1							100.0	5.9	6.0

TOTAL NUMBER OF OBSERVATIONS 669

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.0	5.7	1.1									12.9	5.3	5.0
020-040	4.8	4.9										9.7	4.6	5.0
050-070	6.7	1.6										8.3	3.4	3.0
(E) 080-100	1.9	1.9										3.8	4.2	4.5
110-130	4.6	1.1										5.7	3.4	3.0
140-160	1.9	.6										2.5	3.8	4.0
(S) 170-190	1.0	1.3	.3									2.5	5.9	5.0
200-220	1.0	1.3	.5									2.7	6.3	6.0
230-250	2.4	3.7	1.1									7.1	6.1	5.0
(W) 260-280	5.2	4.8	1.3									11.3	5.4	5.0
290-310	3.5	3.7	.6									7.8	5.4	5.0
320-340	6.3	3.0	1.1									10.5	4.9	4.0
VARIABLE		.8	.2									1.0	8.2	8.0
CALM	////////////////////////////////////											14.3	////////////////////////////////	
TOTALS	45.3	34.4	6.2									100.0	4.2	4.0

TOTAL NUMBER OF OBSERVATIONS 630

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.1	3.8										8.9	4.6	4.0
020-040	4.3	1.3										5.5	3.5	3.0
050-070	3.8	.4										4.3	3.2	3.0
(E) 080-100	8.9	.4										9.4	2.8	3.0
110-130	2.1											2.1	2.4	3.0
140-160	1.7	.4										2.1	2.6	2.0
(S) 170-190	1.7	1.3										3.0	4.1	4.0
200-220	.9	1.3	.9									3.0	6.6	7.0
230-250	8.1	3.8	.9									12.8	4.4	3.0
(W) 260-280	5.1	2.1										7.2	3.9	3.0
290-310	3.4	.9										4.3	3.7	3.0
320-340	2.6	3.0										5.5	4.6	5.0
VARIABLE														
CALM	////////////////////////////////////											31.9	////////	
TOTALS	47.7	18.7	1.8									100.0	2.7	3.0

TOTAL NUMBER OF OBSERVATIONS 235

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.7	6.7	.7	.1								14.1	5.0	5.0
020-040	4.2	3.4	.3									7.9	4.5	4.0
050-070	2.9	1.4										4.3	3.8	3.0
(E) 080-100	1.8	1.1	.0									3.0	4.1	4.0
110-130	1.9	.7										2.6	3.6	4.0
140-160	2.1	1.4	.1									3.5	4.2	4.0
(S) 170-190	3.0	3.2	.4	.1								6.7	5.4	5.0
200-220	1.8	2.6	.9	.2								5.4	6.5	6.0
230-250	2.9	3.9	1.2	.1	.1							8.2	6.3	6.0
(W) 260-280	3.4	4.4	1.1	.1								9.0	6.0	6.0
290-310	3.1	3.2	.5	.0								6.8	5.3	5.0
320-340	5.3	4.3	.7									10.3	4.9	4.0
VARIABLE	2.9	.9	.0									3.8	8.6	8.0
CALM	////////////////////											14.5	////////	
TOTALS	39.1	39.2	6.8	.6	.1							100.0	4.6	5.0

TOTAL NUMBER OF OBSERVATIONS 3921

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280 STATION NAME: COLEMAN AAF/MANNHEIM DL PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: - 1 MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.6	8.3										15.9	4.7	5.0
020-040	7.6	2.3										9.8	3.5	3.0
050-070	3.8											3.8	2.0	2.0
(E) 080-100	1.5	.8										2.3	3.3	4.0
110-130	1.5											1.5	1.5	1.5
140-160	2.3											2.3	1.7	1.0
(S) 170-190	5.3			.8								6.1	4.8	3.0
200-220	3.8	.8	.8	.8								6.1	6.3	4.0
230-250	2.3											2.3	3.0	3.0
(W) 260-280	2.3	1.5		.8								4.5	5.7	4.0
290-310	3.8											3.8	3.4	4.0
320-340	6.8	.8										7.6	3.0	3.0
VARIABLE														
CALM	////////////////////////////////////											34.1	////////////////////////////////	
TOTALS	48.6	14.5	.8	2.4								100.0	2.6	3.0

TOTAL NUMBER OF OBSERVATIONS 132

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	.5										2.7	2.8	2.5
020-040	.9	.9	.5									2.3	6.4	7.0
050-070	.5	.5										.9	3.0	3.0
(E) 080-100	.5	.5										.9	3.5	3.5
110-130		.5										.5	5.0	5.0
140-160	6.8	.9										7.7	3.1	3.0
(S) 170-190	2.3	3.2	.9									6.3	5.4	5.5
200-220	3.6	.9										4.5	3.6	3.5
230-250	.5	2.7	.5									3.6	7.0	6.5
(W) 260-280	5.0	1.8	.5									7.2	4.3	4.0
290-310	1.8	.5										2.3	2.8	2.0
320-340	3.6	.5										4.1	3.2	3.0
VARIABLE														
CALM	////////////////////////////////////											57.0	////////	
TOTALS	27.8	13.4	2.4									100.0	1.8	4.0

TOTAL NUMBER OF OBSERVATIONS 221

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.3	3.2	.3									9.8	3.9	3.5
020-040	5.3	2.8	.4									8.4	4.2	3.0
050-070	1.6	.9										2.5	4.2	4.0
(E) 080-100	.4	.7	.1									1.2	4.6	5.0
110-130	1.1	.5										1.6	3.9	3.0
140-160	3.4	1.5										4.9	3.6	4.0
(S) 170-190	4.9	4.5	.4									9.8	4.6	4.5
200-220	3.7	3.4	.8									7.9	4.8	5.0
230-250	4.0	6.1	1.7	.1								11.9	6.1	6.0
(W) 260-280	5.0	3.8	.5	.1								9.5	4.8	4.0
290-310	3.4	2.2	.3									5.9	4.3	3.0
320-340	6.9	3.0	.3	.1								10.3	4.1	3.0
VARIABLE		1.8	.7	.1								2.6	9.0	8.0
CALM	////////////////////////////////////											13.7	////////	
TOTALS	46.0	34.4	5.5	.4								100.0	4.1	4.0

TOTAL NUMBER OF OBSERVATIONS 758

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.8	3.6	.4									7.8	5.1	5.0
020-040	3.3	2.9	.4									6.6	4.7	4.5
050-070	2.0	1.5	.4									3.8	4.9	4.0
(E) 080-100	2.8	.9	.4									4.1	4.3	4.0
110-130	1.6	.5										2.1	3.4	3.5
140-160	1.6	1.8										3.4	4.5	5.0
(S) 170-190	3.0	4.5	.5									8.1	5.1	5.0
200-220	4.0	4.6	1.5	.1								10.2	5.8	6.0
230-250	3.3	5.7	2.2									11.2	6.6	6.0
(W) 260-280	4.2	6.7	1.5	.1								12.5	6.2	6.0
290-310	3.2	3.7	1.1									7.9	5.6	5.0
320-340	6.2	3.7	.8	.1								10.8	4.6	4.0
VARIABLE	4.8	1.3			.4							6.5	9.0	8.0
CALM	////////////////////////////////////											4.9	////////////////////////////////	
TOTALS	39.0	44.9	10.5	.3	.4							100.0	5.4	5.0

TOTAL NUMBER OF OBSERVATIONS 757

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.4	4.5	.4		.1							9.4	5.0	5.0
020-040	4.6	2.5	.4									7.6	4.5	4.0
050-070	4.4	2.0	.1									6.5	4.3	4.0
(E) 080-100	2.8	2.0	.3									5.1	5.1	4.0
110-130	.7	.4										1.1	4.3	4.0
140-160	1.1	.6										1.7	3.8	3.5
(S) 170-190	2.1	3.1	.7									5.9	5.8	5.5
200-220	2.4	4.5	1.1	.1								8.2	6.3	6.0
230-250	2.1	7.5	3.2									12.8	7.4	7.0
(W) 260-280	2.5	6.2	1.4	.3								10.4	6.6	6.0
290-310	4.9	5.6	.8	.1								11.5	5.4	5.0
320-340	4.1	3.4	.6									8.0	5.1	4.0
VARIABLE		3.9	2.1		.3							6.3	9.5	8.0
CALM	////////////////////////////////////											5.4	////////////////////////////////	
TOTALS	36.1	46.2	11.1	.5	.4							100.0	5.6	5.0

TOTAL NUMBER OF OBSERVATIONS 710

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.8	2.4	.6									7.8	4.2	3.0
020-040	3.3	1.8										5.1	3.4	3.0
050-070	6.7	1.9										8.7	3.5	3.5
(E) 080-100	3.1	1.2	.1									4.5	3.7	3.0
110-130	3.6	.3										3.9	2.5	2.0
140-160	3.0	.7										3.7	3.2	3.0
(S) 170-190	1.8	2.4	.4									4.6	5.7	6.0
200-220	2.1	3.0	1.2									6.3	6.2	6.5
230-250	4.5	6.3	1.6									12.4	6.1	5.0
(W) 260-280	4.3	3.3	1.2									8.8	5.5	5.0
290-310	2.4	3.3	.3	.1								6.1	5.3	5.0
320-340	3.1	2.2	.6	.3								6.3	6.0	4.5
VARIABLE		.3	.4	.1								.9	11.3	11.5
CALM	////////////////////////////////////											20.7	////////////////////////////////	
TOTALS	42.7	29.1	6.4	.5								100.0	3.9	4.0

TOTAL NUMBER OF OBSERVATIONS 667

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.7	1.2	.4									5.3	3.7	2.0
020-040	2.9	.4										3.3	2.8	2.0
050-070	2.9	.8										3.7	3.9	3.0
(E) 080-100	5.8											5.8	2.3	2.0
110-130	4.9	.4										5.3	3.2	3.0
140-160	4.9											4.9	2.2	2.0
(S) 170-190	.8	4.1	.4									5.3	6.2	6.0
200-220	4.9	2.9										7.8	4.5	4.0
230-250	5.8	2.9	.4									9.1	4.2	4.0
(W) 260-280	1.6	2.5										4.1	4.2	5.0
290-310	1.2	1.6		.4								3.3	6.0	5.0
320-340	3.3	.8	.8									4.9	4.5	3.5
VARIABLE			.4									.4	13.0	13.0
CALM	////////////////////////////////////											36.6	////////	
TOTALS	42.7	17.6	2.4	.4								100.0	2.6	4.0
TOTAL NUMBER OF OBSERVATIONS 243														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.8	2.8	.3		.0							7.9	4.2	4.0
020-040	3.7	2.3	.2									6.3	4.3	4.0
050-070	3.0	1.2	.1									4.3	4.0	4.0
(E) 080-100	2.1	.9	.2									3.1	4.1	4.0
110-130	1.7	.4										2.1	3.1	3.0
140-160	3.1	1.0										4.1	3.4	3.0
(S) 170-190	3.1	3.8	.5									7.4	5.2	5.0
200-220	2.9	3.4	.9	.0								7.2	5.7	5.0
230-250	3.2	5.5	1.7	.0								10.4	6.3	6.0
(W) 260-280	3.5	4.2	.9	.1								8.8	5.7	5.0
290-310	3.0	3.0	.5	.1								6.5	5.1	5.0
320-340	4.7	2.6	.4	.1								7.8	4.6	4.0
VARIABLE		2.1	.9	.0	.1							3.1	9.3	8.0
CALM	////////////////////											21.0	////////////////	
TOTALS	38.8	33.2	6.6	.3	.1							100.0	4.0	5.0

TOTAL NUMBER OF OBSERVATIONS 4093

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 ~ SEP 90
MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	5.9	.6										6.5	2.6	2.0
020-040	5.3	1.6										6.8	3.5	3.0
050-070	.6	.6										1.2	6.0	5.5
(E) 080-100	.3											.3	1.0	1.0
110-130	.6											.6	1.5	1.5
140-160	3.7	.3										4.0	2.8	2.0
(S) 170-190	4.0	1.2	.3									5.6	3.7	3.0
200-220	2.5	.9	.3									3.7	3.3	2.0
230-250	2.2	2.5	.3									5.0	4.8	5.0
(W) 260-280	2.5	.3	.9									3.7	4.8	4.0
290-310	1.2	.6										1.9	3.7	4.0
320-340	4.7	1.2										5.9	3.3	3.0
VARIABLE														
CALM	////////////////////////////////////											54.7	////////////////////////////////	
TOTALS	33.5	9.8	1.8									100.0	1.6	3.0

TOTAL NUMBER OF OBSERVATIONS 322

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	.6										2.8	4.0	3.0
020-040	4.0	.6										4.5	3.0	2.5
050-070	1.1											1.1	2.5	2.5
(E) 080-100														
110-130	.6											.6	4.0	4.0
140-160	5.1	1.1										6.2	3.1	3.0
(S) 170-190	1.7	6.3	1.1									9.1	6.9	7.5
200-220	2.3	3.4	1.1									6.8	6.1	5.5
230-250	1.7	4.0	1.1									6.8	6.3	6.5
(W) 260-280	1.7	1.1	.6									3.4	5.8	4.5
290-310	1.7											1.7	2.7	2.0
320-340	.6	.6										1.1	5.0	5.0
VARIABLE														
CALM	////////////////////////////////////											55.7	////////////////////////////////	
TOTALS	22.8	17.7	3.9									100.0	2.3	4.0
TOTAL NUMBER OF OBSERVATIONS 176														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: 06-08

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		5.5	.9										6.5	3.0	3.0
020-040		3.1	.4	.3									3.8	3.4	2.5
050-070		.5	.1										.7	2.6	2.0
(E) 080-100		.1											.1	3.0	3.0
110-130		.9											.9	1.7	2.0
140-160		3.1	2.0	.3									5.4	4.4	4.0
(S) 170-190		3.9	6.7	1.5									12.1	6.1	6.0
200-220		1.9	4.0	.9									6.9	6.4	6.0
230-250		2.6	3.2	1.5	.3	.1							7.7	6.9	6.0
(W) 260-280		1.3	1.5	.5									3.4	5.8	5.0
290-310		.9	.7										1.6	4.1	3.0
320-340		2.0	.9										3.0	3.6	2.5
VARIABLE			.4	.1									.5	9.5	8.5
CALM		////////////////////////////////////											47.5	////////	
TOTALS		25.8	20.8	5.1	.3	.1							100.0	2.7	5.0
TOTAL NUMBER OF OBSERVATIONS 743															

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280 STATION NAME: COLEMAN AAF/MANNHEIM DL PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: - 1 MONTH: SEP HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	8.4	2.4	.5									11.3	3.5	3.0
020-040	5.4	3.7	.3									9.4	4.0	4.0
050-070	1.6	.7										2.2	3.9	4.0
(E) 080-100	.8	.4										1.2	4.3	4.0
110-130	.9	.7										1.6	4.3	4.0
140-160	2.8	1.3	.5									4.6	4.8	4.0
(S) 170-190	3.7	9.4	1.7									14.8	6.2	6.0
200-220	1.6	5.1	.9	.1								7.8	6.6	7.0
230-250	1.8	4.9	2.5	.7								9.9	8.0	8.0
(W) 260-280	1.8	2.2	2.1	.1								6.3	7.3	7.0
290-310	1.5	.5	.7		.1							2.8	6.8	4.0
320-340	4.4	1.3	.1									5.8	3.5	2.0
VARIABLE		2.5	.4									2.9	8.1	7.5
CALM	////////////////////////////////////											19.4	//////////	
TOTALS	34.7	35.1	9.7	.9	.1							100.0	4.5	5.0

TOTAL NUMBER OF OBSERVATIONS 758

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.5	3.7										9.2	4.4	4.0
020-040	4.5	3.9	.4									8.8	4.4	4.0
050-070	1.3	1.1										2.4	4.1	4.0
(E) 080-100	2.0	.9	.3									3.2	4.6	4.0
110-130	1.2	.5										1.7	3.2	2.0
140-160	2.4	2.0										4.4	4.5	4.0
(S) 170-190	3.9	6.0	1.5									11.3	5.9	6.0
200-220	2.3	4.8	2.8									9.9	7.2	8.0
230-250	3.2	4.5	4.0	.8								12.5	8.3	8.0
(W) 260-280	1.9	3.3	2.8	.8								8.8	8.6	9.0
290-310	2.7	1.3	.5	.3								4.8	5.9	4.0
320-340	5.7	1.9	.1									7.7	3.9	4.0
VARIABLE		5.1	2.5									7.6	8.9	9.0
CALM	////////////////////////////////////											7.6	//////////	
TOTALS	36.6	39.0	14.9	1.9								100.0	5.7	6.0
TOTAL NUMBER OF OBSERVATIONS 750														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.8	4.7	.6									11.1	4.6	4.0
020-040	6.1	2.8	.1									9.0	3.9	4.0
050-070	2.6	1.7										4.4	3.8	4.0
(E) 080-100	1.9	1.7										3.6	4.4	4.0
110-130	2.5	.7										3.2	3.4	2.5
140-160	2.5	.9										3.3	3.9	4.0
(S) 170-190	2.2	2.8	.9	.1								6.0	6.2	5.0
200-220	2.8	3.8	1.2									7.7	6.1	6.0
230-250	3.2	6.7	4.7	1.2								15.7	8.0	8.0
(W) 260-280	2.6	6.1	2.5	.6	.1							11.9	7.8	8.0
290-310	2.9	1.9	.7	.1								5.7	5.5	4.0
320-340	4.1	2.3	.3									6.7	4.5	4.0
VARIABLE		3.6	2.2									5.8	9.2	8.0
CALM	////////////////////////////////////											5.8	////////////////////////////////	
TOTALS	39.2	39.7	13.2	2.0	.1							100.0	5.6	5.0

TOTAL NUMBER OF OBSERVATIONS 687

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	2.2	.2									5.6	4.6	4.0
020-040	5.6	1.4										6.9	3.1	2.0
050-070	5.2	.7										5.9	2.6	2.0
(E) 080-100	3.7	.3										4.1	2.8	2.0
110-130	3.2	.8										4.1	3.1	3.0
140-160	.7	.8										1.5	4.6	5.0
(S) 170-190	1.9	1.2	1.0									4.1	5.9	5.5
200-220	1.9	3.7	1.2	.3								7.1	6.9	6.5
230-250	4.9	7.1	1.4	.2								13.5	5.9	6.0
(W) 260-280	5.6	3.9	1.0									10.5	5.1	4.0
290-310	1.5	1.2	.2									2.9	4.2	4.0
320-340	2.7	1.2										3.9	3.7	3.0
VARIABLE		.3	.7									1.0	10.0	10.0
CALM	////////////////////////////////////											28.9	////////	
TOTALS	40.1	24.8	5.7	.5								100.0	3.4	4.0

TOTAL NUMBER OF OBSERVATIONS 591

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	.5										3.3	3.3	3.0
020-040	3.3	1.4										4.7	3.3	2.5
050-070	2.8	.5										3.3	2.1	2.0
(E) 080-100	3.7											3.7	2.4	2.0
110-130	.9											.9	2.5	2.5
140-160	2.3	.9										3.3	3.6	4.0
(S) 170-190	1.4	2.8	.5									4.7	6.3	6.0
200-220	3.3	3.3	.5									7.0	5.7	5.0
230-250	6.5	3.7	.5									10.7	4.5	4.0
(W) 260-280	3.7	3.3										7.0	4.1	4.0
290-310	1.9											1.9	3.3	3.5
320-340	1.9	.5	.5									2.8	5.5	4.0
VARIABLE				.5								.5	18.0	18.0
CALM	////////////////////////////////////											46.5	////////////////////////////////	
TOTALS	34.5	16.9	2.0	.5								100.0	2.3	4.0

TOTAL NUMBER OF OBSERVATIONS 215

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.5	2.6	.2									8.3	4.0	4.0
020-040	4.8	2.3	.2									7.3	3.9	3.0
050-070	2.1	.8										2.9	3.3	3.0
(E) 080-100	1.7	.6	.1									2.3	3.8	4.0
110-130	1.6	.5										2.1	3.2	3.0
140-160	2.5	1.4	.2									4.0	4.3	4.0
(S) 170-190	3.0	5.3	1.3	.0								9.6	6.1	6.0
200-220	2.1	4.2	1.4	.1								7.8	6.6	6.0
230-250	3.2	5.1	2.6	.6	.0							11.5	7.3	7.0
(W) 260-280	2.6	3.2	1.7	.3	.0							7.8	7.0	7.0
290-310	1.9	1.0	.4	.1	.0							3.4	5.4	4.0
320-340	3.6	1.4	.1									5.1	4.0	4.0
VARIABLE	2.2	1.1	.0									3.3	9.0	9.0
CALM	////////////////////											24.6	////////////////	
TOTALS	34.6	30.6	9.3	1.1								100.0	4.2	5.0
TOTAL NUMBER OF OBSERVATIONS 3920														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS

DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	9.9	2.8										12.7	3.3	3.0
020-040	6.8	3.7										10.5	3.9	4.0
050-070	1.4											1.4	2.2	2.0
(E) 080-100	.6											.6	4.0	4.0
110-130	.6											.6	2.0	2.0
140-160	4.8	.8										5.7	2.8	3.0
(S) 170-190	5.1	1.1	.3									6.5	4.0	3.0
200-220	.8	.8										1.7	4.7	5.0
230-250	1.1		.3									1.4	3.8	2.0
(W) 260-280	.8			.3								1.1	6.3	2.5
290-310	1.4											1.4	2.2	2.0
320-340	3.7	1.1										4.8	3.1	3.0
VARIABLE														
CALM	////////////////////////////////////											51.6	////////	
TOTALS	37.0	10.3	.6	.3								100.0	1.7	3.0

TOTAL NUMBER OF OBSERVATIONS 353

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010														3.0
020-040														
050-070														
(E) 080-100														
110-130														
140-160														
(S) 170-190														
200-220														
230-250		50.0										50.0	8.0	8.0
(W) 260-280														
290-310														
320-340														
VARIABLE														
CALM	////////////////////											50.0	////////	
TOTALS		50.0										100.0	4.0	8.0

TOTAL NUMBER OF OBSERVATIONS 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280 STATION NAME: COLEMAN AAF/MANNHEIM DL PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: - 1 MONTH: OCT HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	.3	.1									2.6	3.5	3.0
020-040	3.3	.6										3.9	2.9	2.0
050-070	1.2											1.2	2.3	2.0
(E) 080-100	1.3											1.3	1.9	2.0
110-130	1.4	.1										1.6	2.8	2.0
140-160	3.9	3.0										6.9	4.2	4.0
(S) 170-190	8.2	8.5	2.0									18.7	5.5	5.0
200-220	2.2	4.9	1.7	.3								9.1	7.3	7.0
230-250	1.4	4.5	1.4	.4								7.8	7.4	7.0
(W) 260-280	.4	1.2	1.0									2.6	8.5	8.0
290-310	1.2	.4	.1									1.7	3.9	3.0
320-340	1.9	.4										2.3	3.0	2.0
VARIABLE		.4	.7									1.2	9.9	10.0
CALM	////////////////////////////////////											39.2	////////	
TOTALS	28.6	24.3	7.0	.7								100.0	3.3	5.0

TOTAL NUMBER OF OBSERVATIONS 694

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.3	1.1										5.4	3.7	4.0
020-040	4.6	2.4	.1									7.1	3.9	3.0
050-070	2.7	.4										3.0	2.4	2.0
(E) 080-100	.6	.5										1.1	3.4	3.0
110-130	1.9	.6										2.5	3.0	2.0
140-160	3.0	2.2										5.2	4.4	4.0
(S) 170-190	5.8	9.5	1.6									17.0	5.7	5.5
200-220	2.8	4.4	3.9	.9								12.0	8.3	8.0
230-250	1.1	3.7	2.7	.8								8.2	8.7	8.0
(W) 260-280	1.0	1.6	1.9	.1								4.7	7.8	8.0
290-310	2.3	.6	.1									3.0	3.8	3.0
320-340	2.4	2.3	.1									4.8	4.4	4.5
VARIABLE		1.5	1.3	.1								2.9	10.1	9.0
CALM	////////////////////////////////////											22.9	////////	
TOTALS	32.5	30.8	11.7	1.9								100.0	4.6	5.0

TOTAL NUMBER OF OBSERVATIONS 790

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.3	2.7	.3									6.3	4.3	4.0
020-040	3.5	1.5	.5									5.5	4.3	3.0
050-070	2.9	1.3										4.2	3.5	3.0
(E) 080-100	2.0	.9	.1									3.1	4.0	3.5
110-130	1.2	.8										1.9	4.1	4.0
140-160	2.9	1.5										4.5	3.9	3.0
(S) 170-190	5.8	9.9	1.2									16.8	5.7	6.0
200-220	4.1	5.4	3.3	.1								14.7	8.0	8.0
230-250	2.0	3.8	2	.9	.4							9.9	9.0	8.0
(W) 260-280	2.2	2.7	2.3									7.2	6.9	7.5
290-310	1.5	.8	.8	.1								3.2	6.2	6.0
320-340	4.7	1.9										6.7	3.5	3.0
VARIABLE		2.7	1.0	.4	.1							4.2	9.5	8.0
CALM	////////////////////////////////////											11.9	////////	
TOTALS	36.1	35.9	12.2	3.3	.5							100.0	5.4	5.5

TOTAL NUMBER OF OBSERVATIONS 781

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.7	2.5										6.1	4.0	4.0
020-040	3.8	2.7	.1									6.7	4.5	4.0
050-070	2.5	.7										3.1	3.3	3.0
(E) 080-100	2.0	1.6										3.7	4.6	4.0
110-130	3.4	.5										4.0	2.9	3.0
140-160	3.6	1.6										5.2	3.9	4.0
(S) 170-190	5.9	9.0	.8									15.7	5.7	6.0
200-220	2.5	6.8	3.1	.8								13.3	8.0	8.0
230-250	1.2	5.5	2.2	1.1	.3							10.2	8.6	8.0
(W) 260-280	1.9	4.1	1.2									7.2	6.6	7.0
290-310	1.0	2.0	.3	.3								3.6	6.8	6.0
320-340	2.3	1.9										4.2	4.3	4.0
VARIABLE		.7	1.4	.7								2.7	11.8	12.0
CALM	////////////////////////////////////											14.2	////////	
TOTALS	33.8	39.6	9.1	2.9	.3							100.0	5.2	6.0

TOTAL NUMBER OF OBSERVATIONS 732

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 18-20

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N)	350-010	.9	.5										1.4	3.9	3.0
	020-040	2.5											2.5	2.3	2.0
	050-070	5.1	.3										5.4	2.5	2.0
(E)	080-100	4.0	.3										4.3	2.3	2.0
	110-130	2.5	.2										2.6	2.5	2.0
	140-160	4.6	1.2										5.9	3.7	3.0
(S)	170-190	5.5	3.5	.6									9.7	4.8	4.0
	200-220	3.1	6.2	2.8	.8								12.8	7.3	7.0
	230-250	2.6	6.9	2.5	.5								12.5	7.2	7.0
(W)	260-280	2.2	1.8	.8	.2								4.9	6.2	5.0
	290-310	1.1	.8	.2	.2								2.2	5.6	4.5
	320-340	1.1	.5										1.5	3.1	2.0
VARIABLE				.5	.3								.8	13.8	14.0
CALM		////////////////////////////////////											33.6	////////////////////////////////	
TOTALS		35.2	22.2	7.4	2.0								100.0	3.5	4.0

TOTAL NUMBER OF OBSERVATIONS 649

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	1.4										2.5	4.7	5.0
020-040	2.2											2.2	2.4	2.0
050-070	3.3	.3										3.6	2.3	2.0
(E) 080-100	3.0											3.0	2.0	2.0
110-130	1.9											1.9	2.4	2.0
140-160	4.4	.8										5.2	3.7	3.0
(S) 170-190	6.1	6.4	1.7	.3								14.4	5.7	5.0
200-220	2.2	5.5	1.4	.6								9.7	7.2	7.0
230-250	2.8	3.6	1.1									7.5	6.0	6.0
(W) 260-280	1.1	2.2	.8	.3								4.4	6.7	5.5
290-310	.6	1.1	.3									1.9	5.9	5.0
320-340	.3	.3	.3									.8	8.3	9.0
VARIABLE		.8	.3	.3								1.4	9.6	8.0
CALM	////////////////////////////////////											41.4	////////	
TOTALS	29.0	22.4	5.9	1.5								100.0	3.1	5.0

TOTAL NUMBER OF OBSERVATIONS 362

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: ALL

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		2.8	1.4	.1									4.3	4.0	4.0
020-040		3.4	1.4	.1									5.0	3.8	3.0
050-070		2.9	.5										3.4	2.8	2.0
(E) 080-100		2.0	.6	.0									2.7	3.3	3.0
110-130		2.0	.4										2.5	3.0	2.0
140-160		3.6	1.8										5.5	4.0	4.0
(S) 170-190		6.2	8.1	1.3	.0								15.6	5.6	5.0
200-220		2.9	5.5	2.9	.9								12.2	7.8	7.0
230-250		1.8	4.7	2.2	.7	.1							9.5	8.0	8.0
(W) 260-280		1.5	2.3	1.4	.1								5.3	7.0	7.0
290-310		1.3	.9	.3	.1								2.7	5.5	4.5
320-340		2.3	1.3	.0									3.7	3.9	3.0
VARIABLE			1.1	.9	.3	.0							2.3	10.4	10.0
CALM		////////////////////////////////////											25.4	////////	
TOTALS		32.7	30.0	9.2	2.1	.1							100.0	4.3	5.0

TOTAL NUMBER OF OBSERVATIONS 4010

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.6	.6										5.2	2.9	2.0
020-040	6.3	1.3										7.6	2.9	2.0
050-070	3.3											3.3	1.8	2.0
(E) 080-100	2.1											2.1	2.1	2.0
110-130	2.4											2.4	2.3	2.0
140-160	4.4	1.4										5.9	3.8	4.0
(S) 170-190	7.0	4.4	.6									12.0	4.5	4.0
200-220	4.1	2.9	.8	.5								8.2	5.5	4.5
230-250	1.4	1.0										2.4	4.3	4.0
(W) 260-280	1.3											1.3	2.5	3.0
290-310	1.4	.2										1.6	2.3	2.0
320-340	3.8	.8										4.6	2.8	2.0
VARIABLE														
CALM	////////////////////											43.4	////////	
TOTALS	42.1	12.6	1.4	.5								100.0	2.0	3.0

TOTAL NUMBER OF OBSERVATIONS 631

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	2.1		.5								5.7	5.3	4.0
020-040	2.9	1.6	.8									5.4	4.8	4.0
050-070	2.0	1.1										3.1	4.3	4.0
(E) 080-100	.7	.2										.8	3.0	3.0
110-130	1.5											1.5	1.9	2.0
140-160	7.8	2.3										10.1	3.5	3.0
(S) 170-190	6.7	8.8	2.1	.2								17.7	5.9	6.0
200-220	1.3	2.4	2.3	.2								6.2	7.9	8.0
230-250	1.3	1.8	.8									3.9	6.0	5.0
(W) 260-280	1.5	1.6	1.0	.2								4.2	6.9	6.5
290-310	1.0	.8	.2									2.0	5.2	4.5
320-340	1.1	.2										1.3	2.8	2.0
VARIABLE		1.1	.3	.3								1.8	10.3	9.0
CALM	////////////////////////////////////											36.4	////////////////////////////////	
TOTALS	30.9	24.0	7.5	1.4								100.0	3.5	5.0

TOTAL NUMBER OF OBSERVATIONS 615

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.9	1.7		.3								6.9	3.9	3.0
020-040	4.0	1.4	.6									6.1	4.2	3.0
050-070	2.0	2.2										4.2	4.9	5.0
(E) 080-100	1.2	.3										1.4	3.0	2.5
110-130	1.4	.7										2.2	3.7	3.0
140-160	4.2	2.2										6.3	4.1	4.0
(S) 170-190	5.2	10.2	2.7									18.2	6.4	6.0
200-220	1.3	4.2	1.9	.7		.1						8.2	8.4	8.0
230-250	1.4	3.3	1.6	.4								6.8	7.6	7.0
(W) 260-280	1.7	1.2	2.2	.1								5.2	7.6	8.0
290-310	1.3	.6										1.9	3.9	4.0
320-340	2.2	.3										2.5	2.7	2.0
VARIABLE		1.0	2.2	.1								3.3	10.5	10.0
CALM	////////////////////////////////////											26.8	//////////	
TOTALS	30.8	29.3	11.2	1.6		.1						100.0	4.3	5.0

TOTAL NUMBER OF OBSERVATIONS 693

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280 STATION NAME: COLEMAN AAF/MANNHEIM DL PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: - 1 MONTH: NOV HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.7	3.6	.3									9.5	4.0	3.0
020-040	4.1	1.8	.3									6.2	4.1	3.0
050-070	2.8	1.6	1.0									5.4	5.4	4.0
(E) 080-100	.4	1.4	.1									2.0	6.6	7.0
110-130	1.0	.1										1.1	2.5	2.0
140-160	2.8	2.1	.1									5.1	4.6	4.0
(S) 170-190	4.5	10.7	3.3									18.5	6.3	6.0
200-220	1.6	4.7	2.7	.3								9.2	8.0	8.0
230-250	2.0	3.3	3.6	.4	.6							9.8	8.5	8.0
(W) 260-280	2.1	2.3	2.3									6.7	7.1	8.0
290-310	1.6	.3	.1									2.0	3.2	2.0
320-340	4.8	2.0	.3									7.1	4.2	3.0
VARIABLE	1.3	2.6	.3									4.1	10.6	10.0
CALM	////////////////////////////////////											13.2	//////////	
TOTALS	33.4	35.2	16.7	1.0	.6							100.0	5.3	6.0

TOTAL NUMBER OF OBSERVATIONS 704

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.0	2.6										9.6	3.6	4.0
020-040	3.5	2.7	.2									6.4	4.4	4.0
050-070	2.0	2.3	.5									4.7	5.3	6.0
(E) 080-100	1.1	1.2	.2									2.4	5.2	5.0
110-130	1.1											1.1	2.3	3.0
140-160	3.9	.8										4.7	3.3	3.0
(S) 170-190	3.6	9.0	1.5									14.1	6.3	6.0
200-220	1.7	4.7	3.2	.3	.2							10.0	8.2	8.0
230-250	2.7	4.4	3.0	.2	.3							10.6	7.8	7.5
(W) 260-280	2.1	2.1	.9			.2						5.3	6.7	6.0
290-310	.9	1.4	.3									2.6	5.2	6.0
320-340	5.5	2.0	.3									7.7	3.7	3.0
VARIABLE		1.7	1.4									3.0	9.8	9.0
CALM	////////////////////////////////////											17.8	////////	
TOTALS	35.1	34.9	11.5	.5	.5	.2						100.0	4.8	5.0
TOTAL NUMBER OF OBSERVATIONS 659														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	1.6	.4									4.4	4.7	3.5
020-040	3.5	2.4	.4									6.2	4.4	4.0
050-070	4.5	1.3	.4									6.2	3.7	3.0
(E) 080-100	1.8											1.8	2.4	2.5
110-130	.5											.5	2.0	2.0
140-160	3.5	.4										3.8	2.6	2.0
(S) 170-190	4.7	5.1	1.8									11.6	5.8	5.0
200-220	1.6	5.8	4.2	.4								12.0	8.3	9.0
230-250	2.5	3.8	1.8	.2								8.4	6.8	6.0
(W) 260-280	2.0	2.4	1.5									5.8	6.6	6.0
290-310	1.1	.2										1.3	3.0	3.0
320-340	2.7	.9	.4									4.0	4.2	3.5
VARIABLE		.7	.5	.2								1.5	10.5	10.0
CALM	////////////////////////////////////											32.5	////////	
TOTALS	30.8	24.6	11.4	.8								100.0	3.8	5.0

TOTAL NUMBER OF OBSERVATIONS 550

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	1.6	.3									3.5	5.4	6.0
020-040	3.9	1.9	.3									6.1	4.4	3.0
050-070	3.5	1.3										4.8	3.7	3.0
(E) 080-100	1.6	.3										1.9	2.7	2.0
110-130	1.0											1.0	1.7	2.0
140-160	2.9	1.0										3.9	4.3	4.0
(S) 170-190	5.5	4.8	2.3									12.5	5.8	5.0
200-220	1.6	1.9	4.5									8.0	8.8	10.0
230-250	2.3	3.9	1.3	1.0								8.4	7.7	8.0
(W) 260-280	1.9	2.3	1.6	.3								6.1	6.7	7.0
290-310	.3	1.6										1.9	5.2	5.0
320-340	.6	1.3										1.9	4.5	5.0
VARIABLE		.3	1.0	.6								1.9	12.0	11.0
CALM	////////////////////////////////////											37.9	////////	
TOTALS	26.7	22.2	11.3	1.9								100.0	3.8	5.0

TOTAL NUMBER OF OBSERVATIONS 311

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.4	2.3	.1	.1								7.0	4.2	4.0
020-040	3.7	2.0	.4									6.1	4.4	3.5
050-070	2.7	1.7	.3									4.7	4.7	4.0
(E) 080-100	1.0	.6	.1									1.7	4.3	4.0
110-130	1.1	.2										1.3	2.7	2.0
140-160	4.3	1.5	.0									5.8	3.7	4.0
(S) 170-190	5.0	8.6	2.3	.0								15.9	6.1	6.0
200-220	1.5	4.1	2.9	.3	.0	.0						9.0	8.2	8.0
230-250	2.0	3.4	2.1	.3	.2							8.0	7.6	7.0
(W) 260-280	1.9	1.9	1.6	.1		.0						5.5	7.0	7.0
290-310	1.1	.7	.1									2.0	4.3	4.0
320-340	3.1	1.1	.2									4.4	3.8	3.0
VARIABLE		1.1	1.4	.2								2.7	10.4	10.0
CALM	////////////////////											26.0	////////	
TOTALS	31.8	29.2	11.5	1.0	.2							100.0	4.3	5.0

TOTAL NUMBER OF OBSERVATIONS 3532

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	8.9	2.4										11.3	3.1	2.0
020-040	4.4	.8										5.2	2.8	2.0
050-070	3.6	.3										3.9	2.4	2.0
(E) 080-100	1.1	.1										1.2	2.6	2.0
110-130	1.5											1.5	1.8	2.0
140-160	4.9	1.7										6.6	3.7	4.0
(S) 170-190	8.1	9.7	1.1									18.9	5.1	5.0
200-220	.9	1.5	.4									2.8	6.4	6.0
230-250	.3	.5										.8	4.3	5.0
(W) 260-280	1.2											1.2	1.9	1.0
290-310	.8											.8	1.8	2.0
320-340	4.7											4.7	2.3	2.0
VARIABLE														
CALM	////////////////////////////////////											41.2	////////////////////////////////	
TOTALS	40.4	17.0	1.5									100.0	2.2	3.0

TOTAL NUMBER OF OBSERVATIONS 752

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280 STATION NAME: COLEMAN AAF/MANNHEIM DL PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: - 1 MONTH: DEC HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.7	1.4	.2									5.3	3.9	3.0
020-040	2.9	.7										3.6	3.7	3.0
050-070	1.5	.9										2.4	3.7	3.0
(E) 080-100	2.2	.2										2.4	2.9	3.0
110-130	2.7	.3										3.1	2.8	2.0
140-160	4.1	4.1	.5									8.7	5.0	5.0
(S) 170-190	6.0	11.7	2.0	.2								19.9	6.3	6.0
200-220	2.2	3.6	2.7	1.4								9.9	8.8	8.0
230-250	1.4	3.2	2.9	1.4								8.8	9.6	9.0
(W) 260-280	1.5	2.2	1.7	.3								5.8	7.9	6.5
290-310	1.0	1.2	.2									2.4	5.1	5.0
320-340	1.2		.7	.2								2.0	6.7	3.0
VARIABLE			.3	.5	.3							1.2	16.7	16.0
CALM	////////////////////////////////////											24.7	////////////////////////////////	
TOTALS	30.4	29.5	11.2	4.0	.3							100.0	4.9	6.0

TOTAL NUMBER OF OBSERVATIONS 588

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.4	1.3	.6									5.2	4.4	3.0
020-050	3.5	1.3	.1									4.9	3.5	3.0
050-070	2.1	.3										2.4	2.4	2.0
(E) 080-100	2.0	.1										2.1	2.5	2.0
110-130	2.5	.1										2.7	2.6	2.0
140-160	3.8	5.5	.1									9.4	4.8	5.0
(S) 170-190	4.4	11.7	3.4	.3								19.7	6.8	7.0
200-220	2.1	2.7	3.7	1.0								9.4	9.0	9.0
230-250	1.8	3.7	2.3	1.0								8.7	8.5	8.0
(W) 260-280	1.3	1.4	1.8	.7								5.2	9.1	9.0
290-310	1.7	1.3	.4									3.4	5.1	4.5
320-340	2.0	.6	.1	.1								2.8	4.2	2.0
VARIABLE	.1	.6	1.1									1.8	9.6	10.0
CALM	////////////////////////////////////											22.2	////////	
TOTALS	30.7	30.6	13.6	3.1								100.0	4.9	6.0
TOTAL NUMBER OF OBSERVATIONS 711														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.3	1.0	.6									6.8	3.7	3.0
020-040	3.3	1.8	.3									5.4	4.3	4.0
050-070	1.1	1.1										2.2	4.5	4.5
(E) 080-100	1.8	1.4										3.2	4.3	4.0
110-130	1.1	.7										1.8	4.0	4.0
140-160	3.1	3.9										7.0	4.5	5.0
(S) 170-190	4.7	13.2	3.3	.1								21.5	6.7	6.0
200-220	1.3	3.8	3.2	1.5								9.8	9.5	9.0
230-250	1.4	5.0	3.3	.7	.3							10.7	9.1	9.0
(W) 260-280	1.0	1.8	1.8	.6	.1							5.3	9.0	8.5
290-310	1.5	1.7	.6									3.8	5.9	6.0
320-340	4.0	1.3	.6									5.9	4.2	3.0
VARIABLE		1.5	1.4	.4								3.3	10.5	11.0
CALM	////////////////////////////////////											13.2	////////	
TOTALS	29.6	38.2	15.1	3.3	.4							100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS 717

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.1	2.3	.2									6.5	4.2	4.0
020-040	3.5	2.0	.2									5.6	4.4	4.0
050-070	2.0	1.4										3.3	3.9	3.0
(E) 080-100	1.8	.8										2.6	3.3	3.0
110-130	1.8	.2										2.0	2.1	2.0
140-160	3.8	1.4										5.1	3.7	4.0
(S) 170-190	4.2	13.1	2.1									19.5	6.4	6.0
200-220	2.6	4.2	2.1	.9								9.8	7.6	7.0
230-250	.9	3.9	3.3	1.4	.3							9.8	10.1	10.0
(W) 260-280	1.4	2.1	2.0	.6		.2						6.2	8.8	8.0
290-310	.9	2.1	.2	.2								3.3	5.8	6.0
320-340	3.3	1.7	.5									5.4	4.2	3.5
VARIABLE		1.5	.8	.5	.2							2.9	10.4	9.0
CALM	////////////////////////////////////											18.0	////////	
TOTALS	30.3	36.7	11.4	3.6	.5	.2						100.0	5.2	6.0

TOTAL NUMBER OF OBSERVATIONS 662

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	1.0	.2									3.5	4.4	4.0
020-040	3.1	1.0										4.1	3.8	4.0
050-070	2.7	.4										3.1	2.7	2.0
(E) 080-100	2.1	.4										2.5	2.8	2.0
110-130	1.2											1.2	2.5	2.0
140-160	4.3	1.8										6.2	4.1	4.0
(S) 170-190	6.6	12.5	2.9	.8								22.8	6.8	6.0
200-220	1.4	4.7	2.7	.6								9.4	8.4	8.0
230-250	1.6	4.9	1.8	.8	.2							9.4	8.3	8.0
(W) 260-280	1.4	2.3	1.0	.4	.2							5.3	8.0	7.5
290-310	1.0	2.3	.4									3.7	6.4	6.0
320-340	.6	.8	.4									1.8	6.6	6.0
VARIABLE		.6	.2	.2	.4							1.4	14.1	11.0
CALM	////////////////////////////////////											25.5	////////	
TOTALS	28.3	32.7	9.6	2.8	.8							100.0	4.8	6.0

TOTAL NUMBER OF OBSERVATIONS 487

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: 21-23

DIRECTION (DEGREES)	WIND SPED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.1	2.5										4.5	4.9	5.0
020-040	4.1	.8										5.0	3.4	3.5
050-070	1.2		.4									1.7	4.3	3.0
(E) 080-100	2.5	.4										2.9	3.3	4.0
110-130	2.1											2.1	3.2	4.0
140-160	4.1	2.5										6.6	3.9	4.0
(S) 170-190	8.7	11.6	2.9	.4								23.6	6.2	7.0
200-220	2.1	5.4	3.3		.4							11.2	8.7	8.0
230-250	1.2	4.1	2.9	.4								8.7	8.2	8.0
(W) 260-280	1.2	1.7	.4			.4						3.7	8.4	7.0
290-310	.4	1.2	.4									2.1	6.6	6.0
320-340	1.7	.8		.4								2.9	5.7	4.0
VARIABLE		.4	1.7		.8							2.9	13.9	14.0
CALM	////////////////////////////////////											22.3	////////////////////////////////	
TOTALS	31.4	31.4	12.0	1.2	1.2	.4						100.0	5.0	6.0
TOTAL NUMBER OF OBSERVATIONS 242														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.7	1.5	.3									5.5	4.1	3.0
020-040	3.3	1.3	.1									4.8	4.0	4.0
050-070	1.8	.8	.0									2.6	3.5	3.0
(E) 080-100	2.0	.6										2.6	3.3	3.0
110-130	1.9	.3										2.2	2.8	2.0
140-160	3.8	3.4	.1									7.3	4.5	4.0
(S) 170-190	5.3	12.4	2.8	.3								20.8	6.6	6.0
200-220	1.9	3.9	2.9	1.0	.0							9.8	8.7	8.0
230-250	1.4	4.1	2.8	1.0	.1							9.5	9.1	8.0
(W) 260-280	1.3	1.9	1.6	.5	.1	.1						5.4	8.6	8.0
290-310	1.2	1.6	.4	.0								3.2	5.7	6.0
320-340	2.3	.9	.4	.1								3.7	4.7	3.0
VARIABLE	.0	.9	.9	.3	.2							2.3	11.5	10.0
CALM	////////////////////////////////////											20.4	////////////////////////////////	
TOTALS	29.9	33.6	12.3	3.2	.4	.1						100.0	5.1	6.0

TOTAL NUMBER OF OBSERVATIONS 3410

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.9	2.5	.7									9.1	4.4	3.0
020-040	3.5	.5	.1									4.1	3.1	2.0
050-070	1.9											1.9	2.3	2.0
(E) 080-100	2.2	.2										2.4	2.9	3.0
110-130	3.7	.1										3.8	2.5	2.0
140-160	8.3	3.0										11.3	3.8	4.0
(S) 170-190	8.4	12.6	1.9	.2								23.1	5.9	5.0
200-220	1.6	1.4	.5	.1								3.6	6.1	6.0
230-250	.5	.4	.1									1.0	5.1	5.0
(W) 260-280	.1											.1	3.0	3.0
290-310	.5	.1										.6	2.8	2.0
320-340	3.0	.1	.1									3.2	2.6	2.0
VARIABLE														
CALM	////////////////////////////////////											35.7	////////////////////////////////	
TOTALS	39.6	20.9	3.4	.3								100.0	2.9	4.0

TOTAL NUMBER OF OBSERVATIONS 834

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: ALL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.7	3.6	.6	.0	.0							8.9	4.8	4.0
020-040	3.7	2.6	.5	.0								6.9	4.7	4.0
050-070	2.5	1.5	.2	.0								4.3	4.4	4.0
(E) 080-100	1.7	.9	.1	.0								2.8	4.2	4.0
110-130	1.6	.5	.0									2.1	3.3	3.0
140-160	2.9	1.6	.1	.0								4.5	4.2	4.0
(S) 170-190	3.5	6.1	1.7	.1	.0							11.4	6.3	6.0
200-220	2.0	3.7	2.3	.5	.1	.0						8.6	7.9	8.0
230-250	2.3	4.4	2.4	.5	.1	.0	.0		.0			9.7	7.8	7.0
(W) 260-280	2.2	3.1	1.7	.3	.1	.0		.0				7.4	7.3	7.0
290-310	2.2	2.0	.5	.1	.0	.0		.0				4.8	5.6	5.0
320-340	3.4	2.3	.5	.1	.0	.0			.0			6.3	4.9	4.0
VARIABLE	.0	1.9	1.2	.2	.0							3.3	9.8	9.0
CALM	////////////////////											18.9	////////////////	
TOTALS	32.7	34.2	11.8	1.8	.3							100.0	4.9	5.0

TOTAL NUMBER OF OBSERVATIONS: 46193

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	8.0	4.0	.4	.0								12.4	4.0	3.0
020-040	5.4	2.5	.5									8.4	4.2	4.0
050-070	2.3	.4	.0									2.7	2.8	2.0
(E) 080-100	1.5	.2										1.7	2.6	2.0
110-130	1.9	.2										2.1	2.4	2.0
140-160	5.0	1.7	.0									6.7	3.7	4.0
(S) 170-190	5.1	6.4	1.4	.1	.0							13.0	5.8	5.0
200-220	1.7	1.9	.5	.2								4.2	6.2	6.0
230-250	1.2	1.0	.2									2.4	4.9	4.0
(W) 260-280	1.3	.3	.2	.0	.0							1.8	4.6	3.0
290-310	1.5	.3	.0	.0		.0						1.8	3.7	3.0
320-340	4.1	1.2	.3						.0			5.5	3.9	3.0
VARIABLE														
CALM	////////////////////////////////////											37.2	////////	
TOTALS	39.0	20.1	3.5	.3								100.0	2.8	4.0

TOTAL NUMBER OF OBSERVATIONS: 6166

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	DDDDDDDD
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	DDDDDDDD
PP PP	AA AA	RR RR	TT	DD DD
PP PP	AA AA	RR RR	TT	DD DD
PPPPPPPP	AA AA	RRRRRRRR	TT	DD DD
PPPPPPPP	AAAAAAAA	RRRRRRRR	TT	DD DD
PP	AAAAAAAA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DDDDDDDD
PP	AA AA	RR RR	TT	DDDDDDDD

D - 1 - 1

PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET-- "NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.

ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURED, OR TOTALLY OBSCURED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR
SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR
1/8 THRU 4/8.....SCATTERED
5/8 THRU 7/8.....BROKEN
8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN
COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS,"
HOWEVER, ARE INCLUDED.

D - 1 - 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.4	12.9	15.7	17.2	19.1	19.4	20.2	20.8	21.1	21.7	21.7	22.0	22.3	22.4	22.7	22.7
GE 20000	14.2	14.6	18.5	20.3	23.3	23.8	24.7	25.3	25.6	26.2	26.2	26.5	26.8	26.9	27.2	27.2
GE 18000	14.2	14.6	18.5	20.3	23.3	23.8	24.7	25.3	25.6	26.2	26.2	26.5	26.8	26.9	27.2	27.2
GE 16000	14.2	14.6	18.5	20.3	23.3	23.8	24.7	25.3	25.6	26.2	26.2	26.5	26.8	26.9	27.2	27.2
GE 14000	14.2	14.6	18.5	20.3	23.3	23.8	24.7	25.3	25.6	26.2	26.2	26.5	26.8	26.9	27.2	27.2
GE 12000	14.2	14.6	18.5	20.3	23.3	23.8	24.7	25.3	25.6	26.2	26.2	26.5	26.8	26.9	27.2	27.2
GE 10000	14.3	14.8	18.7	20.8	23.9	24.4	25.3	25.9	26.2	26.8	26.8	27.1	27.4	27.5	27.8	27.8
GE 9000	15.4	15.8	20.3	22.4	25.6	26.0	26.9	27.5	27.8	28.4	28.4	28.7	29.0	29.1	29.4	29.4
GE 8000	18.2	18.8	23.3	25.6	29.1	29.7	30.6	31.2	31.5	32.1	32.1	32.4	32.7	32.9	33.2	33.2
GE 7000	19.1	19.7	24.4	26.6	30.5	31.1	32.3	32.9	33.2	33.8	33.8	34.1	34.4	34.5	34.8	34.8
GE 6000	19.1	19.7	24.4	26.6	30.5	31.1	32.3	32.9	33.2	33.8	33.8	34.1	34.4	34.5	34.8	34.8
GE 5000	20.8	21.5	27.1	29.3	33.5	34.1	35.3	35.9	36.2	36.8	36.8	37.1	37.4	37.5	37.8	37.8
GE 4500	21.4	22.1	27.8	30.0	34.2	35.0	36.3	37.1	37.4	38.0	38.0	38.3	38.6	38.7	39.0	39.0
GE 4000	27.8	28.6	34.7	37.5	42.5	43.3	44.7	45.4	45.9	46.5	46.5	46.9	47.2	47.4	47.7	47.7
GE 3500	30.0	30.9	38.3	41.4	46.6	47.7	49.5	50.2	50.8	51.4	51.4	51.9	52.2	52.3	52.6	52.6
GE 3000	36.6	37.8	46.3	50.1	56.5	58.0	60.4	61.6	62.2	62.8	62.8	63.4	63.7	63.8	64.1	64.1
GE 2500	39.6	40.8	49.5	53.4	60.2	61.7	64.1	66.1	66.8	67.4	67.4	68.0	68.3	68.5	68.8	68.8
GE 2000	42.5	43.6	53.2	57.4	64.9	66.7	69.5	71.6	72.5	73.1	73.1	73.8	74.1	74.3	74.6	74.6
GE 1800	42.8	43.9	54.1	58.3	65.9	67.9	70.9	72.9	74.4	75.0	75.2	75.9	76.2	76.4	76.7	76.7
GE 1500	44.5	45.7	56.1	60.2	68.3	70.4	73.7	76.4	77.9	78.6	78.8	79.5	79.8	80.0	80.3	80.3
GE 1200	45.1	46.5	57.1	61.3	69.7	72.0	75.6	78.6	80.4	81.2	81.5	82.2	82.5	82.7	83.0	83.0
GE 1000	45.1	46.5	57.1	61.4	70.0	72.3	75.9	79.2	81.8	82.5	83.1	83.9	84.2	84.3	84.6	84.6
GE 900	45.1	46.5	57.1	61.9	70.6	73.1	76.7	80.0	82.5	83.3	84.0	84.8	85.1	85.2	85.5	85.5
GE 800	45.1	46.5	57.1	61.9	71.2	73.7	77.6	81.2	83.7	84.5	85.2	85.9	86.2	86.4	86.7	86.7
GE 700	45.1	46.5	57.5	62.3	71.7	74.3	78.2	81.9	84.6	85.8	86.7	87.4	87.7	87.9	88.2	88.2
GE 600	45.1	46.5	57.5	62.3	72.0	74.7	78.6	82.5	85.5	86.7	87.9	88.8	89.1	89.2	89.5	89.5
GE 500	45.1	46.5	57.5	62.3	72.0	74.7	78.8	83.0	85.9	87.4	88.9	90.0	90.3	90.4	90.7	90.7
GE 400	45.1	46.5	57.5	62.3	72.0	74.7	78.8	83.9	87.0	88.6	90.9	92.4	92.7	92.8	93.1	93.1
GE 300	45.1	46.5	57.5	62.3	72.0	74.7	78.8	84.0	87.4	89.2	91.9	93.9	94.3	94.9	95.2	95.2
GE 200	45.1	46.5	57.5	62.3	72.0	74.7	78.8	84.0	87.9	89.8	92.8	94.8	95.2	96.9	97.5	97.5
GE 100	45.1	46.5	57.5	62.3	72.0	74.7	78.8	84.0	87.9	89.8	93.3	95.4	95.8	97.9	98.7	99.3
GE 000	45.1	46.5	57.5	62.3	72.0	74.7	78.9	84.2	88.0	90.0	93.4	95.5	96.0	98.1	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 669

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	9.3	9.8	12.1	14.4	15.9	17.1	17.9	19.1	19.4	19.9	20.5	20.5	20.5	20.5	20.5	20.7
GE 20000	11.4	12.0	14.4	17.1	19.5	21.1	22.1	23.3	23.6	24.4	24.9	24.9	24.9	24.9	24.9	25.2
GE 18000	11.4	12.0	14.4	17.1	19.5	21.1	22.1	23.3	23.6	24.4	24.9	24.9	24.9	24.9	24.9	25.2
GE 16000	11.6	12.1	14.5	17.2	19.7	21.3	22.2	23.4	23.7	24.5	25.0	25.0	25.0	25.0	25.0	25.3
GE 14000	11.6	12.1	14.5	17.2	19.7	21.3	22.2	23.4	23.7	24.5	25.0	25.0	25.0	25.0	25.0	25.3
GE 12000	11.6	12.1	14.5	17.2	19.7	21.3	22.2	23.4	23.7	24.5	25.0	25.0	25.0	25.0	25.0	25.3
GE 10000	11.8	12.4	14.9	18.2	20.7	22.3	23.3	24.5	24.8	25.6	26.1	26.1	26.1	26.1	26.1	26.4
GE 9000	12.7	13.2	15.9	19.1	21.7	23.3	24.2	25.4	25.7	26.5	27.1	27.1	27.1	27.1	27.1	27.3
GE 8000	14.9	15.6	19.1	22.6	25.6	27.2	28.3	29.5	29.7	30.6	31.1	31.1	31.1	31.1	31.1	31.4
GE 7000	15.9	16.6	20.2	23.8	27.1	28.8	30.0	31.2	31.5	32.3	32.8	32.8	32.8	32.8	32.8	33.1
GE 6000	15.9	16.6	20.2	24.0	27.2	28.9	30.1	31.4	31.6	32.4	33.0	33.0	33.0	33.0	33.0	33.2
GE 5000	17.1	17.8	21.5	25.4	28.8	30.7	31.9	33.2	33.5	34.3	34.9	34.9	34.9	34.9	34.9	35.1
GE 4500	17.9	18.6	22.7	26.6	30.6	32.4	33.6	35.0	35.3	36.1	36.6	36.6	36.6	36.6	36.6	36.9
GE 4000	22.1	23.3	27.9	31.9	37.3	39.2	40.6	42.0	42.7	43.5	44.0	44.0	44.0	44.0	44.0	44.3
GE 3500	26.5	27.7	33.0	37.1	42.9	45.1	46.7	48.0	48.7	49.5	50.1	50.1	50.1	50.1	50.1	50.3
GE 3000	32.6	33.8	40.0	45.1	52.1	54.6	56.8	58.8	59.5	60.6	61.1	61.1	61.1	61.1	61.1	61.4
GE 2500	35.4	36.6	43.2	49.0	56.5	59.5	62.0	64.5	65.4	66.5	67.0	67.0	67.0	67.0	67.0	67.3
GE 2000	38.8	40.1	47.9	54.0	62.3	65.5	68.6	71.5	72.7	73.9	74.4	74.4	74.4	74.4	74.4	74.7
GE 1800	39.3	40.6	48.6	55.0	63.5	66.9	70.3	73.1	74.6	75.8	76.3	76.3	76.3	76.3	76.3	76.6
GE 1500	41.3	42.7	50.9	57.6	66.4	70.1	74.0	77.5	79.0	80.5	81.0	81.0	81.0	81.0	81.0	81.3
GE 1200	41.5	42.8	51.7	58.7	68.5	72.3	76.7	80.8	82.4	84.1	84.7	84.7	84.7	84.7	84.7	84.9
GE 1000	41.5	42.8	51.7	58.7	68.5	72.3	76.7	80.9	82.5	84.7	85.3	85.6	85.6	85.6	85.6	85.9
GE 900	41.5	42.8	51.7	58.7	68.8	72.8	77.4	81.8	83.6	85.7	86.4	86.7	86.7	86.7	86.7	86.9
GE 800	41.5	42.8	51.7	58.7	69.2	73.4	77.9	82.8	84.8	86.9	87.6	87.9	88.0	88.0	88.0	88.6
GE 700	41.5	42.8	51.7	58.8	69.3	73.5	78.1	83.2	85.2	87.3	88.0	88.4	88.6	88.6	88.6	89.1
GE 600	41.5	42.8	51.7	59.0	69.4	73.6	78.2	83.7	85.9	88.0	89.1	90.0	90.2	90.2	90.2	90.7
GE 500	41.5	42.8	51.7	59.0	70.0	74.2	78.7	84.7	87.3	89.6	91.1	92.6	92.7	92.9	92.9	93.4
GE 400	41.5	42.8	51.7	59.0	70.0	74.2	78.7	84.8	87.8	90.0	92.2	94.2	94.3	94.9	94.9	95.4
GE 300	41.5	42.8	51.7	59.0	70.0	74.2	78.7	84.8	87.8	90.4	92.6	94.9	95.3	96.4	96.5	97.3
GE 200	41.5	42.8	51.7	59.0	70.0	74.2	78.7	84.8	87.9	90.6	92.9	95.2	95.6	97.3	97.6	98.5
GE 100	41.5	42.8	51.7	59.0	70.0	74.2	78.7	84.8	87.9	90.6	92.9	95.2	95.7	97.6	98.3	99.7
GE 000	41.5	42.8	51.7	59.0	70.0	74.2	78.7	84.8	87.9	90.6	92.9	95.2	95.7	97.6	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 743

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	10.5	10.8	12.6	13.8	16.5	17.8	18.7	19.8	19.9	20.2	21.0	21.2	21.2	21.4	21.4	21.4
GE 20000	13.3	13.8	16.4	17.9	21.6	23.0	23.9	25.0	25.1	25.4	26.2	26.4	26.5	26.8	26.8	26.8
GE 18000	13.4	13.9	16.5	18.0	21.9	23.2	24.2	25.3	25.4	25.7	26.5	26.6	26.8	27.0	27.0	27.0
GE 16000	13.7	14.2	17.2	18.7	22.5	23.9	24.9	26.0	26.1	26.4	27.2	27.3	27.5	27.7	27.7	27.7
GE 14000	13.8	14.3	17.3	18.9	22.7	24.0	25.0	26.1	26.2	26.5	27.3	27.5	27.6	27.9	27.9	27.9
GE 12000	13.9	14.5	17.5	19.1	23.0	24.3	25.3	26.4	26.5	26.8	27.6	27.7	27.9	28.1	28.1	28.1
GE 10000	14.6	15.2	18.4	20.1	24.2	26.0	26.9	28.1	28.3	28.6	29.4	29.5	29.6	29.9	29.9	29.9
GE 9000	15.2	15.7	19.1	20.8	24.9	26.6	27.6	28.8	29.0	29.2	30.1	30.2	30.3	30.6	30.6	30.6
GE 8000	18.0	18.6	23.1	25.3	30.1	32.0	33.1	34.3	34.4	34.7	35.5	35.7	35.8	36.1	36.1	36.1
GE 7000	19.7	20.2	24.9	27.2	32.2	34.2	35.2	36.6	36.7	37.0	37.8	38.0	38.1	38.4	38.4	38.4
GE 6000	19.7	20.2	24.9	27.2	32.4	34.3	35.4	36.7	36.9	37.2	38.0	38.1	38.3	38.5	38.5	38.5
GE 5000	21.7	22.3	26.9	29.5	34.7	36.6	37.7	39.1	39.2	39.5	40.3	40.4	40.6	40.8	40.8	40.8
GE 4500	22.1	23.0	27.7	30.6	35.8	37.7	38.8	40.2	40.3	40.6	41.4	41.5	41.7	41.9	41.9	41.9
GE 4000	25.4	26.2	31.6	34.4	39.9	41.8	43.3	44.8	45.1	45.4	46.2	46.4	46.6	46.9	46.9	46.9
GE 3500	28.6	29.4	35.2	38.9	44.8	46.7	48.2	49.7	50.0	50.4	51.4	51.6	51.8	52.0	52.0	52.0
GE 3000	37.8	38.8	45.9	50.1	57.0	58.9	60.8	63.3	63.5	63.9	64.9	65.2	65.3	65.6	65.6	65.6
GE 2500	43.4	44.4	52.3	56.8	63.8	66.4	68.3	71.0	71.3	71.7	72.7	73.0	73.1	73.4	73.4	73.4
GE 2000	45.6	46.7	55.9	60.5	67.9	70.8	72.8	75.8	76.1	76.9	78.0	78.3	78.4	78.7	78.7	78.7
GE 1800	46.4	47.5	57.1	62.2	70.2	73.1	75.1	78.1	78.6	79.4	80.5	80.7	80.9	81.1	81.1	81.1
GE 1500	47.5	48.8	58.7	64.2	72.7	75.7	78.0	81.6	82.0	83.2	84.3	84.7	84.8	85.1	85.2	85.2
GE 1200	47.5	48.8	59.2	65.0	73.8	76.8	79.4	83.2	83.6	84.8	85.9	86.3	86.5	86.7	86.9	86.9
GE 1000	47.5	48.8	59.2	65.3	74.9	77.9	80.7	84.8	85.2	87.0	88.1	88.5	89.1	89.3	89.5	89.5
GE 900	47.5	48.8	59.2	65.3	75.5	78.6	81.6	85.9	86.3	88.1	89.2	89.8	90.3	90.6	90.7	90.7
GE 800	47.5	48.8	59.2	65.3	75.8	78.8	81.8	86.2	86.7	88.9	90.3	90.8	91.4	91.8	91.9	92.1
GE 700	47.5	48.8	59.2	65.3	75.8	78.8	82.0	86.3	87.0	89.2	90.7	91.3	91.8	92.2	92.3	92.5
GE 600	47.5	48.8	59.2	65.3	75.8	78.8	82.0	86.3	87.0	89.2	91.4	92.5	93.0	93.6	93.7	93.9
GE 500	47.5	48.8	59.2	65.3	76.1	79.4	82.5	86.9	88.0	90.2	92.3	94.1	94.7	95.2	95.8	95.9
GE 400	47.5	48.8	59.2	65.3	76.1	79.4	82.5	86.9	88.7	90.8	93.3	95.1	95.8	96.4	97.0	97.1
GE 300	47.5	48.8	59.2	65.3	76.1	79.4	82.5	86.9	88.7	90.8	93.4	95.4	96.0	97.5	98.1	98.6
GE 200	47.5	48.8	59.2	65.3	76.1	79.4	82.5	86.9	88.7	90.8	93.4	95.4	96.2	97.8	98.5	99.2
GE 100	47.5	48.8	59.2	65.3	76.1	79.4	82.5	86.9	88.7	90.8	93.4	95.4	96.2	97.8	98.9	100.0
GE 000	47.5	48.8	59.2	65.3	76.1	79.4	82.5	86.9	88.7	90.8	93.4	95.4	96.2	97.8	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 732

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	14.1	14.3	16.3	17.1	21.7	22.0	22.6	23.4	23.9	24.0	24.0	24.0	24.3	24.3	24.3	24.4
GE 20000	17.3	17.9	20.6	21.6	26.6	27.0	27.6	28.6	29.0	29.1	29.3	29.3	29.6	29.6	29.6	29.7
GE 18000	17.4	18.1	20.9	21.9	26.9	27.3	27.9	28.9	29.3	29.4	29.6	29.6	29.9	29.9	29.9	30.0
GE 16000	17.4	18.1	20.9	21.9	26.9	27.3	27.9	28.9	29.3	29.4	29.6	29.6	29.9	29.9	29.9	30.0
GE 14000	17.6	18.4	21.1	22.1	27.4	27.9	28.4	29.4	29.9	30.0	30.1	30.1	30.4	30.4	30.4	30.6
GE 12000	17.9	18.7	21.6	22.6	27.9	28.3	28.9	29.9	30.3	30.4	30.6	30.6	30.9	30.9	30.9	31.0
GE 10000	18.1	19.0	21.9	22.9	28.7	29.1	30.0	31.1	31.6	31.7	31.9	31.9	32.1	32.1	32.1	32.3
GE 9000	19.0	19.9	22.7	23.7	29.6	30.0	30.9	32.0	32.4	32.6	32.7	32.7	33.0	33.0	33.0	33.3
GE 8000	22.1	23.0	27.3	28.3	35.0	35.4	36.4	37.6	38.0	38.1	38.3	38.3	38.6	38.6	38.6	38.7
GE 7000	23.0	23.9	28.3	29.7	37.1	37.7	38.7	39.9	40.3	40.4	40.6	40.6	40.9	41.0	41.0	41.1
GE 6000	23.1	24.0	28.4	30.0	37.4	38.0	39.0	40.1	40.6	40.7	40.9	40.9	41.1	41.3	41.3	41.4
GE 5000	24.6	25.7	30.1	31.7	39.1	39.7	40.7	41.9	42.3	42.4	42.6	42.6	42.9	43.0	43.0	43.1
GE 4500	25.7	26.9	31.4	33.9	41.3	41.9	43.0	44.1	44.6	44.7	44.9	44.9	45.1	45.3	45.3	45.4
GE 4000	29.0	30.3	35.4	37.9	45.9	46.4	48.0	49.1	49.6	49.7	49.9	49.9	50.1	50.3	50.3	50.4
GE 3500	32.9	34.3	40.0	42.6	50.7	51.3	52.9	54.0	54.4	54.6	54.9	54.9	55.1	55.3	55.3	55.4
GE 3000	41.9	43.6	49.9	53.0	62.3	62.9	64.4	66.3	66.7	67.0	67.6	67.9	68.4	68.6	68.6	68.7
GE 2500	45.6	47.4	54.0	57.7	67.3	68.0	70.0	72.3	72.7	73.0	73.6	73.9	74.4	74.6	74.6	74.7
GE 2000	49.0	51.1	58.4	62.9	73.3	74.0	76.4	78.9	79.4	80.0	80.9	81.1	81.7	81.9	81.9	82.0
GE 1800	49.0	51.1	58.6	63.1	73.9	74.6	77.0	79.6	80.1	80.7	81.6	81.9	82.4	82.6	82.6	82.7
GE 1500	49.0	51.1	59.4	64.3	76.0	76.9	79.3	82.0	82.6	83.1	84.0	84.7	85.3	85.6	85.6	85.7
GE 1200	49.3	51.4	60.3	65.4	77.6	78.4	81.0	84.3	84.9	85.7	86.6	87.3	88.0	88.3	88.3	88.4
GE 1000	49.3	51.4	60.3	65.4	78.9	79.7	82.6	86.1	86.7	88.1	89.0	90.0	90.9	91.1	91.1	91.3
GE 900	49.3	51.4	60.3	65.4	79.3	80.3	83.1	87.0	87.6	89.0	90.1	91.1	92.0	92.3	92.3	92.4
GE 800	49.3	51.4	60.3	65.4	79.4	80.4	83.3	87.1	87.7	89.4	90.7	92.3	93.1	93.4	93.4	93.6
GE 700	49.3	51.4	60.3	65.4	79.7	80.9	83.7	87.7	88.4	90.3	91.9	93.6	94.4	94.7	94.7	94.9
GE 600	49.3	51.4	60.3	65.4	79.7	80.9	83.7	88.1	89.3	91.1	92.7	94.4	95.3	95.6	95.6	95.7
GE 500	49.3	51.4	60.3	65.4	79.7	80.9	83.7	88.7	90.1	92.0	93.7	95.9	96.7	97.0	97.1	97.6
GE 400	49.3	51.4	60.3	65.4	79.7	80.9	83.7	88.7	90.4	92.3	94.0	96.1	97.1	97.6	97.7	98.1
GE 300	49.3	51.4	60.3	65.4	79.7	80.9	83.7	88.7	90.4	92.3	94.3	96.4	97.4	98.3	98.6	99.3
GE 200	49.3	51.4	60.3	65.4	79.7	80.9	83.7	88.7	90.4	92.3	94.4	96.6	97.6	98.6	98.9	99.6
GE 100	49.3	51.4	60.3	65.4	79.7	80.9	83.7	88.7	90.4	92.3	94.4	96.6	97.6	98.7	99.3	100.0
GE 000	49.3	51.4	60.3	65.4	79.7	80.9	83.7	88.7	90.4	92.3	94.4	96.6	97.6	98.7	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 700

ATING LOCATION "A"
ETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: 18-20

ING r	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
51L	18.0	18.5	19.4	21.8	24.5	25.3	26.1	26.6	26.8	27.0	27.0	27.0	27.0	27.0	27.0	27.0
3000	20.7	21.2	22.6	25.0	27.7	28.5	29.3	29.8	30.0	30.5	30.5	30.5	30.5	30.5	30.5	30.5
3000	21.1	21.9	23.3	25.6	28.3	29.2	30.0	30.5	30.7	31.2	31.2	31.2	31.2	31.2	31.2	31.2
5000	21.1	21.9	23.3	25.6	28.3	29.2	30.0	30.5	30.7	31.2	31.2	31.2	31.2	31.2	31.2	31.2
4000	21.2	22.1	23.4	25.8	28.5	29.3	30.2	30.7	30.9	31.4	31.4	31.4	31.4	31.4	31.4	31.4
2000	21.2	22.1	23.4	25.8	28.5	29.3	30.2	30.7	30.9	31.4	31.4	31.4	31.4	31.4	31.4	31.4
3000	22.8	23.6	25.0	27.3	30.0	30.9	31.9	32.4	32.5	33.1	33.1	33.1	33.1	33.1	33.1	33.1
3000	22.9	23.8	25.1	27.5	30.2	31.0	32.2	32.7	32.9	33.4	33.4	33.4	33.4	33.4	33.4	33.4
3000	27.7	28.5	30.5	33.9	37.3	38.1	39.3	40.1	40.3	40.8	41.0	41.0	41.0	41.0	41.0	41.0
7000	28.8	29.8	31.9	35.4	39.3	40.1	41.3	42.2	42.3	42.8	43.0	43.0	43.0	43.0	43.0	43.0
5000	29.2	30.2	32.4	35.9	40.3	41.1	42.3	43.2	43.3	43.8	44.0	44.0	44.0	44.0	44.0	44.0
5000	30.9	32.0	34.2	37.9	42.5	43.3	44.5	45.4	45.5	46.0	46.2	46.2	46.2	46.2	46.2	46.2
4500	32.5	33.7	36.1	39.8	44.4	45.2	46.5	47.4	47.6	48.1	48.2	48.2	48.2	48.2	48.2	48.2
4000	37.1	38.6	41.3	45.9	51.8	52.6	54.5	55.3	55.5	56.0	56.2	56.2	56.2	56.2	56.2	56.2
3500	40.0	41.5	44.2	49.2	55.5	56.5	58.3	59.4	59.5	60.0	60.2	60.2	60.2	60.2	60.2	60.2
1000	45.0	46.5	50.1	55.8	62.9	63.9	65.9	67.3	67.5	68.0	68.5	68.5	68.5	68.5	68.5	68.5
1500	47.2	48.7	52.4	59.0	66.4	68.0	70.0	71.5	71.7	72.2	72.7	72.7	72.7	72.7	72.7	72.7
1000	48.6	50.1	54.8	63.1	71.2	72.7	74.9	76.6	76.7	77.2	78.4	78.4	78.4	78.4	78.4	78.4
800	49.1	50.6	55.6	64.1	72.5	74.0	76.2	78.2	78.4	78.9	80.1	80.1	80.1	80.1	80.1	80.1
500	49.6	51.1	56.8	66.1	75.0	76.6	78.8	81.1	81.3	81.8	83.0	83.0	83.0	83.0	83.3	83.3
200	50.1	51.6	58.5	68.1	77.1	78.6	80.9	83.5	84.0	84.5	86.3	86.3	86.3	86.3	86.7	86.7
000	50.1	51.6	58.7	68.5	77.6	79.3	82.0	85.2	86.3	87.4	90.1	90.4	90.4	90.9	91.2	91.2
900	50.1	51.6	58.9	68.6	78.1	79.8	82.6	85.8	87.0	88.0	90.7	91.1	91.2	91.7	92.1	92.1
800	50.1	51.6	58.9	68.6	78.1	79.8	82.6	85.8	87.0	88.0	90.7	91.1	91.2	91.7	92.1	92.1
700	50.1	51.6	58.9	68.6	78.1	79.8	82.6	86.2	87.4	88.4	91.6	91.9	92.1	92.6	92.9	92.9
500	50.1	51.6	58.9	68.6	78.2	80.1	83.1	87.2	88.7	89.9	93.4	93.8	93.9	94.4	94.8	94.8
500	50.1	51.6	58.9	68.6	78.2	80.3	83.5	87.7	89.2	90.7	94.3	94.6	94.8	95.3	95.6	96.0
100	50.1	51.6	58.9	68.6	78.2	80.4	83.6	87.9	89.5	91.1	95.1	95.4	95.6	96.1	96.5	96.8
100	50.1	51.6	58.9	68.6	78.2	80.4	83.6	88.0	90.1	91.6	95.8	96.1	96.3	97.1	97.8	98.3
100	50.1	51.6	58.9	68.6	78.2	80.4	83.6	88.0	90.2	91.9	96.1	96.5	96.6	97.5	98.1	99.2
00	50.1	51.6	58.9	68.6	78.2	80.4	83.6	88.0	90.2	91.9	96.1	96.5	96.6	97.6	98.3	99.7
100	50.1	51.6	58.9	68.6	78.2	80.4	83.6	88.0	90.2	91.9	96.1	96.5	96.6	97.6	98.3	100.0

NUMBER OF OBSERVATIONS 593

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	21.9	21.9	22.8	24.4	27.2	28.1	29.6	30.2	30.6	31.2	31.8	31.8	31.8	31.8	31.8	31.8
GE 20000	24.1	24.1	25.0	26.5	29.3	30.2	31.8	32.4	32.7	33.6	34.3	34.3	34.3	34.3	34.3	34.3
GE 18000	24.7	24.7	25.6	27.2	29.9	30.9	32.4	33.0	33.3	34.3	34.9	34.9	34.9	34.9	34.9	34.9
GE 16000	24.7	24.7	25.6	27.2	29.9	30.9	32.4	33.0	33.3	34.3	34.9	34.9	34.9	34.9	34.9	34.9
GE 14000	24.7	24.7	25.6	27.2	29.9	30.9	32.4	33.0	33.3	34.3	34.9	34.9	34.9	34.9	34.9	34.9
GE 12000	24.7	24.7	25.6	27.2	29.9	30.9	32.4	33.0	33.3	34.3	34.9	34.9	34.9	34.9	34.9	34.9
GE 10000	25.3	25.3	26.2	28.1	30.9	31.8	33.3	34.0	34.3	35.2	35.8	35.8	35.8	35.8	35.8	35.8
GE 9000	26.2	26.2	27.2	29.0	31.8	32.7	34.3	34.9	35.2	36.1	36.7	36.7	36.7	36.7	36.7	36.7
GE 8000	31.2	31.2	32.1	34.9	38.0	39.5	41.0	42.0	42.3	43.2	43.8	43.8	43.8	43.8	43.8	43.8
GE 7000	31.2	31.2	32.1	34.9	38.0	39.5	41.7	42.6	42.9	43.8	44.4	44.4	44.4	44.4	44.4	44.4
GE 6000	31.2	31.2	32.1	34.9	38.6	40.1	42.3	43.2	43.5	44.4	45.1	45.1	45.1	45.1	45.1	45.1
GE 5000	34.0	34.0	34.9	37.7	41.7	43.2	45.4	46.3	46.6	47.5	48.1	48.1	48.1	48.1	48.1	48.1
GE 4500	36.4	36.4	37.3	40.1	44.1	45.7	48.5	49.4	49.7	50.6	51.2	51.2	51.2	51.2	51.2	51.2
GE 4000	41.0	41.0	42.0	46.0	50.6	52.2	54.9	56.2	56.5	57.4	58.0	58.0	58.0	58.0	58.0	58.0
GE 3500	44.1	44.4	45.4	49.7	54.6	56.2	59.3	61.4	61.7	62.7	63.3	63.3	63.3	63.3	63.3	63.3
GE 3000	48.5	48.8	50.6	56.2	61.1	62.7	66.4	68.5	69.8	71.3	71.9	71.9	71.9	71.9	71.9	71.9
GE 2500	49.4	49.7	52.8	59.3	64.8	66.4	70.1	72.8	74.1	75.6	76.2	76.2	76.2	76.2	76.2	76.2
GE 2000	50.9	51.2	54.9	63.3	69.4	71.6	75.3	78.1	79.3	80.9	81.8	82.4	82.4	82.4	82.4	82.4
GE 1800	51.2	51.5	55.6	63.9	70.4	72.5	76.2	79.0	80.2	81.8	82.7	83.3	83.3	83.3	83.3	83.3
GE 1500	51.2	51.5	55.6	64.2	71.0	73.1	76.9	79.9	81.5	83.0	84.0	84.6	84.6	84.6	84.9	85.2
GE 1200	51.5	51.9	56.8	66.0	73.1	75.3	79.0	82.1	84.0	85.8	87.3	88.0	88.0	88.0	88.3	88.6
GE 1000	51.5	51.9	57.4	67.0	74.4	76.9	80.9	84.3	86.7	88.6	91.0	92.6	92.6	92.6	92.9	93.2
GE 900	51.5	51.9	57.7	67.3	75.0	77.5	81.5	85.2	87.7	89.5	92.0	93.5	93.5	93.5	93.8	94.1
GE 800	51.5	51.9	57.7	67.3	75.0	77.5	81.5	85.5	88.0	90.1	92.9	94.4	94.4	94.4	94.8	95.1
GE 700	51.5	51.9	57.7	67.3	75.0	77.5	81.5	85.8	88.3	90.4	93.5	95.1	95.1	95.1	95.4	95.7
GE 600	51.5	51.9	57.7	67.3	75.0	77.5	81.5	86.4	88.9	91.0	94.1	95.7	95.7	95.7	96.0	96.3
GE 500	51.5	51.9	57.7	67.3	75.6	78.4	82.4	87.3	89.8	92.0	95.1	96.6	96.6	96.6	96.9	97.2
GE 400	51.5	51.9	57.7	67.3	75.6	78.4	82.4	87.3	89.8	92.6	96.0	97.5	97.5	97.5	97.8	98.1
GE 300	51.5	51.9	57.7	67.3	75.6	78.4	82.4	87.3	89.8	92.6	96.0	97.5	97.5	97.5	97.8	98.8
GE 200	51.5	51.9	57.7	67.3	75.6	78.4	82.4	87.3	90.1	93.2	96.6	98.1	98.1	98.1	98.5	99.4
GE 100	51.5	51.9	57.7	67.3	75.6	78.4	82.4	87.3	90.1	93.2	96.6	98.1	98.1	98.1	98.5	99.7
GE 000	51.5	51.9	57.7	67.3	75.6	78.4	82.4	87.3	90.1	93.2	96.6	98.1	98.1	98.1	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 324

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	13.5	13.8	15.7	17.3	20.0	20.8	21.6	22.5	22.8	23.1	23.5	23.5	23.6	23.7	23.8	23.9
GE 20000	15.9	16.4	18.9	20.7	24.0	25.0	25.9	26.8	27.0	27.5	27.9	28.0	28.1	28.2	28.2	28.3
GE 18000	16.1	16.6	19.1	21.0	24.3	25.3	26.2	27.0	27.3	27.8	28.2	28.2	28.4	28.4	28.5	28.6
GE 16000	16.2	16.7	19.3	21.1	24.5	25.4	26.3	27.2	27.5	28.0	28.3	28.4	28.5	28.6	28.7	28.7
GE 14000	16.2	16.8	19.4	21.2	24.6	25.6	26.5	27.4	27.6	28.1	28.5	28.6	28.7	28.8	28.8	28.9
GE 12000	16.3	16.9	19.5	21.4	24.8	25.7	26.6	27.5	27.8	28.3	28.6	28.7	28.8	28.9	29.0	29.0
GE 10000	16.9	17.5	20.1	22.2	25.8	26.8	27.8	28.7	29.0	29.5	29.9	29.9	30.1	30.2	30.2	30.3
GE 9000	17.6	18.2	21.0	23.1	26.7	27.7	28.7	29.6	29.9	30.4	30.8	30.8	31.0	31.1	31.1	31.2
GE 8000	20.9	21.5	25.1	27.5	31.7	32.9	34.0	35.0	35.3	35.8	36.1	36.2	36.3	36.4	36.5	36.6
GE 7000	21.9	22.5	26.2	28.8	33.4	34.6	35.8	36.9	37.1	37.6	38.0	38.1	38.2	38.3	38.4	38.5
GE 6000	22.0	22.6	26.3	29.0	33.7	34.9	36.2	37.2	37.5	38.0	38.3	38.4	38.6	38.7	38.7	38.8
GE 5000	23.7	24.4	28.3	31.1	36.0	37.2	38.4	39.5	39.8	40.3	40.6	40.7	40.8	40.9	41.0	41.1
GE 4500	24.7	25.5	29.6	32.6	37.6	38.8	40.2	41.3	41.5	42.0	42.4	42.5	42.6	42.7	42.8	42.9
GE 4000	29.1	30.0	34.5	37.9	43.7	45.0	46.7	47.8	48.2	48.7	49.1	49.2	49.3	49.5	49.5	49.6
GE 3500	32.4	33.4	38.5	42.2	48.4	49.8	51.6	52.8	53.2	53.8	54.2	54.3	54.5	54.6	54.6	54.7
GE 3000	39.4	40.6	46.6	51.1	58.2	59.7	61.9	63.7	64.2	64.9	65.4	65.6	65.8	65.9	66.0	66.1
GE 2500	42.7	43.9	50.4	55.4	62.9	64.7	67.1	69.3	69.9	70.6	71.1	71.3	71.5	71.6	71.7	71.7
GE 2000	45.3	46.6	54.1	59.7	67.9	70.0	72.6	75.1	75.8	76.6	77.3	77.6	77.8	77.9	78.0	78.1
GE 1800	45.7	47.0	54.8	60.7	69.2	71.3	74.0	76.6	77.5	78.3	79.0	79.3	79.5	79.6	79.7	79.8
GE 1500	46.7	48.1	56.3	62.5	71.5	73.8	76.7	79.7	80.6	81.6	82.4	82.8	83.0	83.1	83.2	83.4
GE 1200	47.0	48.4	57.2	63.8	73.2	75.5	78.7	82.1	83.1	84.2	85.2	85.6	85.8	85.9	86.1	86.2
GE 1000	47.0	48.4	57.3	64.0	73.9	76.3	79.6	83.3	84.7	86.1	87.4	88.0	88.4	88.6	88.7	88.8
GE 900	47.0	48.4	57.4	64.1	74.4	76.9	80.3	84.2	85.6	87.1	88.4	89.0	89.4	89.6	89.8	89.9
GE 800	47.0	48.4	57.4	64.1	74.6	77.2	80.7	84.7	86.1	87.8	89.2	90.0	90.4	90.6	90.8	91.0
GE 700	47.0	48.4	57.4	64.2	74.8	77.4	80.9	85.1	86.7	88.4	90.1	90.9	91.3	91.5	91.7	91.8
GE 600	47.0	48.4	57.4	64.2	74.9	77.5	81.1	85.6	87.4	89.2	91.1	92.2	92.6	92.8	93.0	93.2
GE 500	47.0	48.4	57.4	64.2	75.1	77.9	81.5	86.3	88.2	90.2	92.3	93.7	94.1	94.4	94.6	94.9
GE 400	47.0	48.4	57.4	64.2	75.1	77.9	81.5	86.5	88.8	90.7	93.3	94.9	95.3	95.7	96.0	96.3
GE 300	47.0	48.4	57.4	64.2	75.1	77.9	81.5	86.5	88.9	91.0	93.8	95.5	96.0	96.9	97.3	97.8
GE 200	47.0	48.4	57.4	64.2	75.1	77.9	81.5	86.5	89.1	91.3	94.1	95.9	96.4	97.7	98.1	98.8
GE 100	47.0	48.4	57.4	64.2	75.1	77.9	81.5	86.5	89.1	91.3	94.2	96.0	96.5	98.0	98.7	99.7
GE 000	47.0	48.4	57.4	64.2	75.1	77.9	81.5	86.5	89.1	91.3	94.2	96.0	96.5	98.0	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 3761

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 20000			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 18000			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 16000			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 14000			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 12000			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 10000			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 9000			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 8000			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 7000			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 6000			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	16.5	17.1	19.2	21.7	25.4	27.3	27.9	30.3	30.6	31.5	32.6	33.1	33.6	33.6	33.8	33.9
GE 20000	18.4	19.0	21.6	24.1	27.9	29.8	30.4	33.4	34.1	35.2	36.3	36.8	37.2	37.2	37.4	37.6
GE 18000	18.4	19.0	21.6	24.1	27.9	29.8	30.4	33.4	34.1	35.2	36.3	36.8	37.2	37.2	37.4	37.6
GE 16000	18.4	19.0	21.6	24.1	27.9	29.8	30.4	33.4	34.1	35.2	36.3	36.8	37.2	37.2	37.4	37.6
GE 14000	18.4	19.0	21.7	24.2	28.1	30.0	30.6	33.6	34.2	35.3	36.5	36.9	37.4	37.4	37.6	37.7
GE 12000	18.9	19.7	22.3	24.9	28.7	30.6	31.2	34.2	34.9	36.0	37.1	37.6	38.0	38.0	38.2	38.4
GE 10000	19.3	20.1	22.8	25.7	29.8	31.9	32.6	35.7	36.3	37.4	38.5	39.0	39.5	39.5	39.6	39.8
GE 9000	20.3	21.1	23.8	27.1	31.2	33.3	34.1	37.1	38.0	39.1	40.3	40.7	41.2	41.2	41.4	41.5
GE 8000	22.8	23.6	26.8	30.1	34.4	36.5	37.2	40.7	41.7	42.8	43.9	44.4	44.8	44.8	45.0	45.2
GE 7000	24.1	25.0	28.5	31.9	36.6	38.7	39.6	43.1	44.1	45.2	46.3	46.8	47.2	47.2	47.4	47.5
GE 6000	24.2	25.2	28.7	32.0	36.9	39.0	39.9	43.4	44.4	45.5	46.6	47.1	47.5	47.5	47.7	47.9
GE 5000	25.7	26.6	30.6	34.1	39.8	41.8	42.8	46.4	47.4	48.5	49.6	50.1	50.6	50.6	50.7	50.9
GE 4500	27.3	28.2	32.3	35.8	41.5	43.6	44.7	48.7	49.6	50.7	51.8	52.3	52.8	52.8	52.9	53.1
GE 4000	30.0	31.1	35.5	39.3	46.0	48.2	49.9	54.0	55.0	56.1	57.2	58.2	58.6	58.6	58.8	59.0
GE 3500	33.0	34.5	39.6	44.2	51.8	54.4	56.3	60.9	62.1	63.4	64.5	65.5	65.9	65.9	66.1	66.2
GE 3000	38.2	39.9	46.3	51.8	61.3	64.3	66.4	71.5	72.9	74.3	75.4	76.4	76.9	76.9	77.0	77.2
GE 2500	39.0	40.7	47.7	53.7	63.9	67.2	69.3	74.3	75.8	77.2	78.3	79.2	79.7	79.7	79.9	80.0
GE 2000	40.3	42.3	49.6	56.4	67.7	71.3	73.7	78.9	80.5	81.9	83.0	84.0	84.5	84.5	84.6	84.8
GE 1800	40.4	42.5	49.8	56.6	67.8	71.8	74.2	79.6	81.1	82.6	83.7	84.6	85.1	85.1	85.3	85.4
GE 1500	40.7	42.8	50.6	58.0	69.7	73.7	76.4	82.4	84.3	86.1	87.3	88.4	88.9	88.9	89.1	89.2
GE 1200	40.7	42.8	50.7	58.2	70.2	74.2	77.0	83.4	85.6	87.3	88.6	89.9	90.3	90.3	90.5	90.6
GE 1000	40.7	42.8	50.7	58.2	70.5	74.5	77.3	83.8	86.4	88.1	89.4	90.8	91.3	91.3	91.4	91.6
GE 900	40.7	42.8	50.7	58.2	70.8	75.1	78.0	84.5	87.2	89.1	90.3	91.8	92.7	92.2	92.4	92.6
GE 800	40.7	42.8	50.7	58.5	71.8	76.2	79.6	86.2	89.1	91.0	92.2	93.7	94.1	94.1	94.3	94.5
GE 700	40.7	42.8	51.0	58.8	72.1	76.5	80.0	87.0	90.0	91.9	93.2	94.6	95.1	95.1	95.2	95.4
GE 600	40.7	42.8	51.0	58.8	72.1	76.5	80.0	87.0	90.3	92.2	93.5	95.1	95.6	95.6	95.7	95.9
GE 500	40.7	42.8	51.0	58.8	72.1	76.5	80.0	87.2	90.5	92.4	93.7	95.2	95.7	95.7	95.9	96.2
GE 400	40.7	42.8	51.0	58.8	72.1	76.5	80.0	87.3	90.6	92.6	94.1	95.7	96.2	96.4	96.5	96.8
GE 300	40.7	42.8	51.0	58.8	72.1	76.5	80.0	87.8	91.1	93.2	94.8	96.4	97.0	97.1	97.3	97.6
GE 200	40.7	42.8	51.0	58.8	72.1	76.5	80.0	87.8	91.1	93.3	94.9	96.5	97.3	97.5	97.6	97.9
GE 100	40.7	42.8	51.0	58.8	72.1	76.5	80.0	87.8	91.1	93.3	94.9	96.5	97.3	97.5	98.1	100.0
GE 000	40.7	42.8	51.0	58.8	72.1	76.5	80.0	87.8	91.1	93.3	94.9	96.5	97.3	97.5	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 631

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	16.1	16.4	19.8	21.7	28.2	30.8	31.9	34.3	34.5	34.9	35.6	35.9	35.9	35.9	36.0	36.2
GE 20000	17.0	17.2	20.8	22.8	29.3	31.9	33.5	36.6	36.9	37.3	38.2	38.5	38.5	38.5	38.6	38.7
GE 18000	17.1	17.4	21.1	23.1	29.6	32.2	33.8	36.9	37.2	37.6	38.5	38.7	38.7	38.7	38.9	39.0
GE 16000	17.4	17.7	21.4	23.4	29.9	32.5	34.0	37.2	37.5	37.9	38.7	39.0	39.0	39.0	39.2	39.3
GE 14000	17.4	17.7	21.8	23.8	30.3	32.9	34.5	37.7	38.0	38.5	39.3	39.6	39.6	39.6	39.7	39.9
GE 12000	17.9	18.2	22.4	24.4	30.9	33.5	35.0	38.5	38.7	39.2	40.0	40.3	40.3	40.3	40.5	40.6
GE 10000	18.2	18.5	22.8	24.9	32.1	35.0	36.6	40.0	40.5	40.9	42.0	42.3	42.3	42.3	42.5	42.6
GE 9000	19.9	20.2	24.5	26.8	34.8	37.7	39.3	42.7	43.2	43.6	44.7	45.0	45.0	45.0	45.2	45.3
GE 8000	22.2	22.5	27.6	30.3	39.3	42.5	44.0	47.6	48.0	48.4	49.6	49.9	49.9	49.9	50.0	50.1
GE 7000	23.2	23.5	28.8	31.5	41.5	44.6	46.3	50.1	50.6	51.1	52.4	52.7	52.7	52.7	52.8	53.0
GE 6000	23.4	23.6	28.9	31.6	41.6	44.7	46.4	50.3	50.7	51.3	52.6	52.8	52.8	52.8	53.0	53.1
GE 5000	24.5	24.8	31.1	34.2	44.4	47.7	49.7	54.1	54.6	55.1	56.4	56.7	56.7	56.7	56.8	57.0
GE 4500	26.2	26.5	32.8	35.9	46.6	49.9	51.9	56.4	56.8	57.4	58.7	59.0	59.0	59.0	59.1	59.3
GE 4000	27.4	27.8	34.5	37.9	50.0	54.0	56.4	61.4	61.8	62.4	63.7	64.0	64.0	64.0	64.1	64.2
GE 3500	30.1	30.5	37.9	41.5	53.7	58.0	60.5	66.1	67.0	67.5	68.8	69.1	69.1	69.1	69.2	69.4
GE 3000	33.6	34.0	42.7	47.3	61.8	66.5	70.5	76.5	77.5	78.1	79.3	79.6	79.6	79.6	79.8	79.9
GE 2500	34.0	34.6	43.3	48.1	63.5	68.4	72.4	78.5	79.5	80.1	81.3	81.6	81.6	81.6	81.8	81.9
GE 2000	34.3	35.0	44.4	49.6	67.0	71.8	76.1	82.3	83.8	84.5	85.8	86.0	86.0	86.0	86.2	86.3
GE 1800	34.3	35.0	44.7	49.9	67.2	72.1	76.4	82.6	84.2	84.9	86.2	86.5	86.5	86.5	86.6	86.8
GE 1500	34.5	35.2	45.7	51.0	68.5	73.5	77.8	84.8	86.6	87.3	89.2	89.6	89.6	89.6	89.7	89.9
GE 1200	34.8	35.5	46.6	51.9	69.4	74.4	78.6	85.8	87.7	88.5	90.3	90.7	90.7	90.7	90.9	91.0
GE 1000	34.8	35.5	47.0	52.3	70.4	75.4	79.8	86.9	89.2	89.9	91.7	92.3	92.3	92.3	92.5	92.6
GE 900	34.8	35.5	47.0	52.3	70.7	75.9	80.3	87.5	89.7	90.7	92.7	93.4	93.4	93.4	93.6	93.7
GE 800	34.8	35.5	47.0	52.3	70.7	76.1	80.5	87.9	90.2	91.2	93.3	94.0	94.4	94.4	94.6	94.7
GE 700	34.8	35.5	47.0	52.3	70.7	76.1	80.5	88.0	90.9	91.9	94.0	94.9	95.3	95.3	95.4	95.6
GE 600	34.8	35.5	47.0	52.3	70.7	76.1	80.5	88.0	91.0	92.0	94.2	95.0	95.4	95.4	95.6	95.7
GE 500	34.8	35.5	47.0	52.3	70.7	76.1	80.5	88.0	91.0	92.0	94.2	95.4	95.9	95.9	96.0	96.2
GE 400	34.8	35.5	47.0	52.3	70.7	76.1	80.5	88.2	91.2	92.3	94.4	96.0	96.4	96.4	96.6	96.7
GE 300	34.8	35.5	47.0	52.3	70.7	76.1	80.5	88.2	91.2	92.7	95.0	96.9	97.3	97.3	97.4	97.9
GE 200	34.8	35.5	47.0	52.3	70.7	76.1	80.5	88.2	91.2	92.7	95.2	97.0	97.6	97.9	98.0	98.6
GE 100	34.8	35.5	47.0	52.3	70.7	76.1	80.5	88.2	91.2	92.7	95.2	97.0	97.6	97.9	98.0	100.0
GE 000	34.8	35.5	47.0	52.3	70.7	76.1	80.5	88.2	91.2	92.7	95.2	97.0	97.6	97.9	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 702

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	17.4	17.8	21.1	24.5	33.1	34.2	35.5	36.4	36.4	36.6	36.6	36.6	36.6	36.9	36.9	37.1
GE 20000	19.0	19.4	22.6	26.0	35.4	36.6	37.9	39.9	39.9	40.2	40.2	40.2	40.2	40.5	40.5	40.6
GE 18000	19.4	19.9	23.2	26.6	35.9	37.2	38.5	40.5	40.5	40.7	40.7	40.7	40.7	41.0	41.0	41.2
GE 16000	19.4	19.9	23.2	26.6	35.9	37.2	38.5	40.5	40.5	40.7	40.7	40.7	40.7	41.0	41.0	41.2
GE 14000	19.8	20.5	23.9	27.3	36.6	37.9	39.2	41.2	41.2	41.4	41.4	41.4	41.4	41.7	41.7	41.9
GE 12000	20.1	20.8	24.2	27.7	37.5	38.8	40.0	42.0	42.0	42.3	42.3	42.3	42.3	42.6	42.6	42.7
GE 10000	21.2	21.9	25.5	29.4	39.3	40.7	42.0	44.0	44.1	44.4	44.4	44.4	44.4	44.7	44.7	44.8
GE 9000	22.8	23.5	27.0	31.0	40.9	42.3	43.6	45.5	45.7	46.0	46.0	46.0	46.0	46.3	46.3	46.4
GE 8000	24.9	25.6	30.1	34.7	45.7	47.2	48.5	50.6	50.8	51.1	51.1	51.1	51.1	51.3	51.3	51.5
GE 7000	26.9	27.6	32.2	36.8	48.1	49.8	51.3	53.9	54.0	54.3	54.3	54.3	54.3	54.6	54.6	54.7
GE 6000	26.9	27.6	32.4	36.9	48.4	50.1	51.6	54.2	54.3	54.6	54.6	54.6	54.6	54.9	54.9	55.0
GE 5000	28.0	28.7	33.8	38.5	50.5	52.3	54.3	57.4	57.6	57.9	57.9	57.9	57.9	58.1	58.1	58.3
GE 4500	28.3	29.3	34.4	39.0	51.1	52.9	54.9	58.0	58.1	58.4	58.4	58.4	58.4	58.7	58.7	58.8
GE 4000	30.6	31.7	37.1	42.0	55.2	57.1	59.4	62.7	62.9	63.2	63.4	63.5	63.5	63.8	63.8	63.9
GE 3500	34.5	35.8	41.4	46.5	60.0	62.4	64.9	68.2	68.9	69.2	69.3	69.4	69.4	69.7	69.7	69.9
GE 3000	40.3	41.6	49.1	55.7	71.4	74.0	76.5	80.8	81.5	81.9	82.0	82.2	82.2	82.5	82.5	82.6
GE 2500	42.7	44.0	51.6	58.6	74.5	77.1	79.6	83.9	84.6	85.0	85.1	85.3	85.3	85.6	85.6	85.7
GE 2000	43.8	45.1	53.6	60.5	78.5	81.2	83.7	88.1	89.3	89.8	90.0	90.1	90.1	90.4	90.4	90.5
GE 1800	44.0	45.3	53.7	60.7	79.1	81.8	84.3	88.7	89.8	90.4	90.5	90.7	90.7	90.9	90.9	91.1
GE 1500	44.0	45.3	53.7	60.7	79.1	81.8	84.6	89.3	90.4	90.9	91.5	91.7	91.7	91.9	91.9	92.1
GE 1200	44.0	45.3	54.3	61.2	79.9	82.6	85.4	90.7	91.8	92.4	92.9	93.2	93.4	93.6	93.6	93.8
GE 1000	44.0	45.3	54.5	61.4	80.8	83.7	86.6	92.2	93.4	93.9	94.8	95.2	95.5	95.8	95.8	95.9
GE 900	44.0	45.3	54.5	61.4	80.8	83.7	86.6	92.2	93.4	93.9	94.8	95.2	95.6	95.9	95.9	96.0
GE 800	44.0	45.3	54.5	61.4	80.8	83.7	86.6	92.2	93.4	93.9	94.9	95.3	95.8	96.0	96.0	96.2
GE 700	44.0	45.3	54.5	61.4	80.8	83.7	86.6	92.4	93.8	94.5	95.8	96.3	96.7	97.0	97.0	97.2
GE 600	44.0	45.3	54.5	61.4	80.8	83.7	86.6	92.4	94.2	94.9	96.2	96.7	97.2	97.5	97.5	97.6
GE 500	44.0	45.3	54.5	61.4	80.8	83.7	86.6	92.5	94.5	95.2	96.7	97.3	97.7	98.0	98.0	98.2
GE 400	44.0	45.3	54.5	61.4	80.8	83.7	86.6	92.5	94.5	95.8	97.5	98.0	98.4	98.7	98.7	98.9
GE 300	44.0	45.3	54.5	61.4	80.8	83.7	86.6	92.8	95.0	96.3	98.0	98.6	99.0	99.3	99.4	99.6
GE 200	44.0	45.3	54.5	61.4	80.8	83.7	86.6	92.8	95.0	96.3	98.0	98.7	99.2	99.4	99.6	100.0
GE 100	44.0	45.3	54.5	61.4	80.8	83.7	86.6	92.8	95.0	96.3	98.0	98.7	99.2	99.4	99.6	100.0
GE 000	44.0	45.3	54.5	61.4	80.8	83.7	86.6	92.8	95.0	96.3	98.0	98.7	99.2	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 707

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	19.0	20.2	25.1	28.3	33.0	34.7	35.6	36.0	36.5	36.8	36.8	36.8	36.8	36.8	36.8	36.8
GE 20000	21.1	22.5	27.7	31.0	36.5	38.4	39.7	40.6	41.0	41.3	41.3	41.3	41.3	41.3	41.3	41.3
GE 18000	21.6	22.9	28.1	31.5	37.1	39.1	40.3	41.3	41.8	42.1	42.1	42.1	42.1	42.1	42.1	42.1
GE 16000	21.6	22.9	28.1	31.5	37.1	39.1	40.3	41.3	41.8	42.1	42.1	42.1	42.1	42.1	42.1	42.1
GE 14000	21.7	23.1	28.3	31.6	37.2	39.2	40.4	41.5	41.9	42.2	42.2	42.2	42.2	42.2	42.2	42.2
GE 12000	22.6	24.0	29.2	32.5	38.1	40.1	41.3	42.4	42.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 10000	23.4	24.8	29.9	33.7	39.5	41.5	42.7	43.8	44.2	44.5	44.5	44.5	44.5	44.5	44.5	44.5
GE 9000	24.3	25.7	30.9	35.1	41.0	43.0	44.5	45.6	46.0	46.4	46.4	46.4	46.4	46.4	46.4	46.4
GE 8000	27.4	28.7	34.0	38.4	45.3	47.3	48.9	50.0	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 7000	29.5	30.9	37.1	41.8	48.9	50.9	53.0	54.3	54.7	55.0	55.2	55.2	55.2	55.2	55.2	55.2
GE 6000	29.5	30.9	37.1	41.8	49.2	51.2	53.3	54.6	55.0	55.3	55.5	55.5	55.5	55.5	55.5	55.5
GE 5000	30.5	31.9	38.3	43.5	51.8	53.8	55.9	57.1	57.6	57.9	58.1	58.1	58.1	58.1	58.1	58.1
GE 4500	31.6	33.0	39.4	44.5	53.0	55.0	57.1	58.4	58.8	59.1	59.3	59.3	59.3	59.3	59.3	59.3
GE 4000	36.0	37.4	43.8	49.4	58.8	60.9	63.2	64.6	65.0	65.3	65.5	66.0	66.0	66.0	66.0	66.0
GE 3500	39.2	40.6	47.6	53.5	64.0	66.1	68.5	70.2	70.7	71.1	71.3	71.7	71.7	71.7	71.7	71.7
GE 3000	43.9	45.6	54.0	60.5	72.6	75.1	78.4	80.7	81.3	81.8	82.1	82.8	82.8	82.8	82.8	82.8
GE 2500	45.6	47.4	55.8	62.6	75.2	78.0	81.3	83.7	84.3	84.8	85.1	85.9	85.9	85.9	85.9	85.9
GE 2000	48.0	50.0	59.0	66.0	80.4	83.3	86.9	89.5	90.9	91.3	91.8	92.6	92.6	92.6	92.6	92.6
GE 1800	48.0	50.0	59.0	66.0	80.4	83.3	86.9	89.7	91.0	91.5	91.9	92.7	92.7	92.7	92.7	92.7
GE 1500	48.2	50.2	59.7	67.2	81.9	84.8	88.6	91.5	92.9	93.3	93.9	94.7	94.7	94.7	94.7	94.7
GE 1200	48.2	50.2	59.7	67.3	82.4	85.3	89.4	92.2	93.6	94.1	94.8	95.7	95.7	95.7	95.7	95.7
GE 1000	48.3	50.3	59.9	67.5	82.7	85.6	89.8	92.9	94.2	94.7	95.7	96.7	96.7	96.7	96.7	96.8
GE 900	48.3	50.3	59.9	67.5	82.7	85.6	89.8	92.9	94.2	94.7	95.9	97.1	97.1	97.1	97.1	97.3
GE 800	48.3	50.3	59.9	67.5	82.7	85.6	89.8	92.9	94.2	94.7	95.9	97.1	97.1	97.1	97.1	97.3
GE 700	48.3	50.3	59.9	67.5	82.7	85.6	89.8	93.0	94.4	94.8	96.5	97.7	97.7	97.7	97.7	97.9
GE 600	48.3	50.3	59.9	67.5	82.8	85.7	90.0	93.3	94.8	95.3	97.0	98.2	98.2	98.2	98.2	98.3
GE 500	48.3	50.3	59.9	67.5	82.8	85.7	90.0	93.3	94.8	95.7	97.6	98.8	98.8	98.8	98.8	98.9
GE 400	48.3	50.3	59.9	67.5	82.8	85.7	90.0	93.3	95.1	96.0	97.9	99.1	99.1	99.1	99.1	99.2
GE 300	48.3	50.3	59.9	67.5	82.8	85.7	90.0	93.3	95.3	96.4	98.2	99.4	99.4	99.5	99.5	99.7
GE 200	48.3	50.3	59.9	67.5	82.8	85.7	90.0	93.3	95.3	96.4	98.2	99.4	99.4	99.5	99.7	99.8
GE 100	48.3	50.3	59.9	67.5	82.8	85.7	90.0	93.3	95.3	96.4	98.2	99.4	99.4	99.5	99.7	100.0
GE 00	48.3	50.3	59.9	67.5	82.8	85.7	90.0	93.3	95.3	96.4	98.2	99.4	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 658

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	24.2	25.4	30.1	32.9	38.5	39.3	40.0	40.5	41.3	41.7	42.4	42.4	42.4	42.5	42.5	42.7
GE 20000	25.4	26.6	31.6	35.1	41.5	42.4	43.7	44.4	45.4	45.7	46.4	46.4	46.4	46.6	46.6	46.7
GE 18000	25.4	26.6	31.6	35.1	41.5	42.4	43.7	44.4	45.4	45.7	46.4	46.4	46.4	46.6	46.6	46.7
GE 16000	25.4	26.6	31.6	35.1	41.5	42.4	43.7	44.4	45.4	45.7	46.4	46.4	46.4	46.6	46.6	46.7
GE 14000	25.4	26.6	31.6	35.1	41.5	42.4	43.7	44.4	45.4	45.7	46.4	46.4	46.4	46.6	46.6	46.7
GE 12000	25.9	27.1	32.1	35.6	42.0	42.9	44.2	44.9	45.9	46.2	46.9	46.9	46.9	47.1	47.1	47.2
GE 10000	26.4	27.6	32.8	36.3	42.7	43.5	44.9	45.5	46.6	46.9	47.6	47.6	47.6	47.7	47.7	47.9
GE 9000	27.1	28.2	33.4	37.0	43.9	44.7	46.1	46.7	47.7	48.1	48.7	48.7	48.7	48.9	48.9	49.1
GE 8000	28.6	29.7	35.1	39.0	46.9	47.7	49.1	49.7	50.8	51.1	51.8	51.8	51.8	51.9	51.9	52.1
GE 7000	30.6	32.1	37.8	41.8	50.4	51.6	52.9	54.3	55.3	55.6	56.3	56.3	56.8	57.0	57.0	57.1
GE 6000	30.8	32.3	38.0	42.0	50.6	51.8	53.1	54.5	55.5	55.8	56.5	56.5	57.0	57.1	57.1	57.3
GE 5000	32.9	34.6	40.3	44.9	53.6	54.8	56.3	57.6	58.7	59.0	59.7	59.7	60.2	60.3	60.3	60.5
GE 4500	35.1	36.8	42.5	47.1	55.8	57.0	58.5	59.8	60.8	61.2	61.8	61.8	62.4	62.5	62.5	62.7
GE 4000	40.5	42.2	48.4	53.1	62.0	63.7	65.9	67.6	68.6	68.9	69.6	69.6	70.1	70.3	70.3	70.4
GE 3500	43.9	45.5	52.3	57.0	66.6	68.6	70.9	72.8	73.8	74.1	74.8	74.8	75.3	75.5	75.5	75.6
GE 3000	46.4	48.2	55.6	61.2	72.3	74.5	77.3	79.8	80.8	81.5	82.4	82.4	82.9	83.0	83.0	83.2
GE 2500	47.2	49.1	56.6	62.4	74.1	76.5	79.7	82.7	83.7	84.4	85.2	85.2	85.7	85.9	85.9	86.1
GE 2000	49.2	51.1	59.3	65.5	78.3	81.0	84.5	87.6	89.1	89.7	90.8	91.4	91.9	92.1	92.1	92.3
GE 1800	49.2	51.1	59.3	65.9	78.7	81.3	85.2	88.2	89.7	90.4	91.4	92.4	92.9	93.1	93.1	93.3
GE 1500	49.2	51.1	59.5	66.7	79.5	82.2	86.1	89.1	90.6	91.3	92.3	93.4	93.9	94.1	94.1	94.3
GE 1200	49.2	51.1	59.5	66.9	80.2	82.9	86.7	89.7	91.3	91.9	92.9	94.1	94.6	94.8	94.8	95.0
GE 1000	49.2	51.1	59.5	66.9	80.2	82.9	86.7	90.1	92.1	92.8	93.8	95.3	96.0	96.1	96.1	96.3
GE 900	49.2	51.1	59.5	66.9	80.2	82.9	86.7	90.1	92.4	93.1	94.3	95.8	96.5	96.6	96.6	96.8
GE 800	49.2	51.1	59.5	66.9	80.2	82.9	86.9	90.6	92.9	93.6	95.0	96.6	97.3	97.5	97.5	97.6
GE 700	49.2	51.1	59.5	66.9	80.2	82.9	86.9	90.8	93.3	93.9	95.8	97.5	98.2	98.3	98.3	98.5
GE 600	49.2	51.1	59.5	66.9	80.2	82.9	86.9	90.8	93.3	93.9	96.0	97.6	98.3	98.5	98.5	98.7
GE 500	49.2	51.1	59.5	66.9	80.2	82.9	86.9	90.8	93.3	94.5	96.5	98.2	98.8	99.0	99.0	99.2
GE 400	49.2	51.1	59.5	66.9	80.2	82.9	86.9	90.8	93.3	94.5	96.5	98.2	98.8	99.0	99.0	99.2
GE 300	49.2	51.1	59.5	66.9	80.2	82.9	86.9	90.8	93.3	94.5	96.5	98.2	98.8	99.0	99.0	99.2
GE 200	49.2	51.1	59.5	66.9	80.2	82.9	86.9	90.8	93.3	94.5	96.5	98.2	98.8	99.0	99.0	99.2
GE 100	49.2	51.1	59.5	66.9	80.2	82.9	86.9	90.8	93.3	94.5	96.5	98.2	98.8	99.0	99.0	100.0
GE 000	49.2	51.1	59.5	66.9	80.2	82.9	86.9	90.8	93.3	94.5	96.5	98.2	98.8	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 595

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	24.8	26.4	28.8	31.9	38.7	39.6	41.1	42.0	42.3	42.9	43.6	43.6	43.6	43.9	43.9	43.9
GE 20000	26.7	28.2	30.7	34.4	41.4	42.3	44.2	45.4	45.7	46.3	46.9	46.9	46.9	47.2	47.2	47.2
GE 18000	26.7	28.2	30.7	34.4	41.4	42.3	44.2	45.4	45.7	46.3	46.9	46.9	46.9	47.2	47.2	47.2
GE 16000	26.7	28.2	30.7	34.4	41.4	42.3	44.2	45.4	45.7	46.3	46.9	46.9	46.9	47.2	47.2	47.2
GE 14000	26.7	28.2	30.7	34.4	41.4	42.3	44.2	45.4	45.7	46.3	46.9	46.9	46.9	47.2	47.2	47.2
GE 12000	27.3	28.8	31.3	35.0	42.0	42.9	44.8	46.0	46.3	46.9	47.5	47.5	47.5	47.9	47.9	47.9
GE 10000	27.6	29.1	32.2	35.9	42.9	43.9	45.7	46.9	47.2	47.9	48.5	48.5	48.5	48.8	48.8	48.8
GE 9000	28.8	30.4	33.4	37.1	44.2	45.1	46.9	48.2	48.5	49.1	49.7	49.7	49.7	50.0	50.0	50.0
GE 8000	31.9	33.4	36.8	40.8	47.9	48.8	50.6	51.8	52.1	52.8	53.4	53.4	53.4	53.7	53.7	53.7
GE 7000	33.7	35.6	39.6	44.2	51.8	52.8	54.6	56.4	56.7	57.4	58.0	58.0	58.0	58.3	58.3	58.3
GE 6000	34.4	36.2	40.2	44.8	52.5	53.4	55.2	57.1	57.4	58.0	58.6	58.6	58.6	58.9	58.9	58.9
GE 5000	36.8	39.0	42.9	48.2	57.1	58.0	59.8	61.7	62.0	62.6	63.2	63.2	63.2	63.5	63.5	63.5
GE 4500	37.7	39.9	43.9	49.4	58.6	59.8	61.7	63.5	63.8	64.7	65.3	66.0	66.0	66.3	66.3	66.3
GE 4000	42.6	44.8	50.3	56.4	66.9	68.7	71.8	74.8	75.2	76.1	76.7	77.3	77.3	77.6	77.6	77.6
GE 3500	44.8	46.9	52.5	58.6	69.6	72.4	75.5	78.5	78.8	79.8	80.4	81.0	81.0	81.3	81.3	81.3
GE 3000	46.6	48.8	55.2	61.3	73.0	75.8	78.8	82.5	82.8	83.7	84.4	85.0	85.0	85.3	85.3	85.3
GE 2500	47.9	50.0	56.4	62.9	74.5	77.3	80.4	84.7	85.0	85.9	86.5	87.1	87.1	87.4	87.4	87.4
GE 2000	49.4	51.5	58.6	65.0	77.3	80.1	83.1	87.7	88.0	89.3	90.5	91.1	91.1	91.4	91.4	91.4
GE 1800	49.4	51.5	58.6	66.0	78.2	81.0	84.0	88.7	89.0	90.2	91.4	92.0	92.0	92.3	92.3	92.3
GE 1500	49.4	51.5	58.6	66.3	78.5	81.3	84.4	89.0	89.3	90.5	91.7	92.9	92.9	93.3	93.3	93.3
GE 1200	49.4	51.5	58.6	66.3	78.5	81.3	84.4	89.0	89.3	90.5	91.7	92.9	92.9	93.3	93.3	93.3
GE 1000	49.7	51.8	58.9	66.9	79.8	82.5	85.6	90.8	91.1	92.3	93.6	95.4	95.4	95.7	95.7	95.7
GE 900	49.7	51.8	58.9	66.9	79.8	82.5	85.6	91.1	91.4	92.9	94.8	96.6	96.6	96.9	96.9	96.9
GE 800	49.7	51.8	58.9	66.9	79.8	82.5	85.6	91.7	92.0	93.6	95.4	97.2	97.2	97.5	97.5	97.5
GE 700	49.7	51.8	58.9	66.9	79.8	82.5	85.6	91.7	92.6	94.2	96.0	97.9	97.9	98.2	98.2	98.2
GE 600	49.7	51.8	58.9	66.9	79.8	82.5	85.6	91.7	92.6	94.2	96.6	98.5	98.5	98.8	98.8	98.8
GE 500	49.7	51.8	58.9	66.9	79.8	82.5	85.6	91.7	92.6	94.5	96.9	98.8	98.8	99.1	99.1	99.1
GE 400	49.7	51.8	58.9	66.9	79.8	82.5	85.6	91.7	92.6	94.5	96.9	98.8	98.8	99.1	99.1	99.1
GE 300	49.7	51.8	58.9	66.9	79.8	82.5	85.6	91.7	92.6	94.5	96.9	98.8	98.8	99.1	99.1	99.1
GE 200	49.7	51.8	58.9	66.9	79.8	82.5	85.6	91.7	92.6	94.5	96.9	98.8	98.8	99.1	99.1	99.1
GE 100	49.7	51.8	58.9	66.9	79.8	82.5	85.6	91.7	92.6	94.5	96.9	98.8	98.8	99.1	99.1	99.7
GE 000	49.7	51.8	58.9	66.9	79.8	82.5	85.6	91.7	92.6	94.5	96.9	98.8	98.8	99.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 326

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	19.1	19.9	23.4	26.2	32.2	33.8	34.8	36.0	36.4	36.9	37.3	37.5	37.6	37.7	37.7	37.8
GE 20000	20.6	21.4	25.2	28.2	34.7	36.3	37.6	39.5	39.9	40.4	41.0	41.1	41.2	41.3	41.4	41.5
GE 18000	20.8	21.7	25.5	28.5	34.9	36.6	37.9	39.8	40.2	40.7	41.3	41.4	41.5	41.5	41.7	41.8
GE 16000	20.9	21.7	25.5	28.5	35.0	36.7	37.9	39.9	40.3	40.8	41.3	41.5	41.5	41.7	41.7	41.8
GE 14000	21.0	21.9	25.8	28.8	35.3	36.9	38.2	40.2	40.6	41.1	41.6	41.8	41.9	42.0	42.0	42.1
GE 12000	21.5	22.4	26.4	29.4	36.0	37.6	38.9	40.9	41.3	41.8	42.3	42.5	42.6	42.7	42.7	42.8
GE 10000	22.1	23.0	27.1	30.4	37.2	39.0	40.3	42.3	42.8	43.3	43.8	44.0	44.1	44.2	44.2	44.3
GE 9000	23.3	24.2	28.3	31.8	38.8	40.6	42.0	44.0	44.5	45.0	45.6	45.7	45.8	45.9	46.0	46.1
GE 8000	25.7	26.6	31.2	35.0	42.8	44.7	46.0	48.2	48.7	49.2	49.8	49.9	50.0	50.1	50.2	50.3
GE 7000	27.4	28.4	33.4	37.3	45.7	47.6	49.2	51.7	52.2	52.7	53.4	53.5	53.7	53.8	53.8	54.0
GE 6000	27.5	28.5	33.6	37.5	46.0	47.9	49.5	51.9	52.5	53.0	53.6	53.8	54.0	54.1	54.1	54.2
GE 5000	29.0	30.1	35.4	39.7	48.8	50.8	52.5	55.2	55.8	56.3	57.0	57.1	57.3	57.4	57.4	57.5
GE 4500	30.3	31.4	36.8	41.1	50.4	52.4	54.1	56.9	57.5	58.0	58.7	58.9	59.0	59.1	59.2	59.3
GE 4000	33.5	34.8	40.6	45.2	55.4	57.8	60.1	63.2	63.8	64.3	65.0	65.4	65.5	65.6	65.7	65.8
GE 3500	36.7	38.0	44.3	49.2	60.0	62.7	65.2	68.6	69.4	70.0	70.6	71.0	71.2	71.3	71.4	71.5
GE 3000	40.9	42.3	49.9	55.7	68.3	71.3	74.3	78.3	79.2	79.9	80.6	81.1	81.2	81.4	81.4	81.5
GE 2500	42.1	43.6	51.4	57.5	70.6	73.8	76.8	81.0	81.9	82.6	83.3	83.8	84.0	84.1	84.1	84.2
GE 2000	43.5	45.1	53.5	59.9	74.6	77.9	81.2	85.5	86.8	87.6	88.5	89.0	89.2	89.3	89.3	89.4
GE 1800	43.6	45.2	53.6	60.2	74.9	78.3	81.6	86.0	87.3	88.1	89.0	89.6	89.8	89.9	89.9	90.0
GE 1500	43.7	45.3	54.1	61.0	75.9	79.3	82.8	87.5	89.0	89.8	90.9	91.7	91.8	91.9	92.0	92.1
GE 1200	43.7	45.3	54.4	61.4	76.5	79.9	83.5	88.4	89.9	90.8	91.9	92.7	92.9	93.0	93.1	93.2
GE 1000	43.8	45.4	54.6	61.6	77.1	80.6	84.2	89.4	91.1	91.9	93.1	94.2	94.4	94.5	94.6	94.7
GE 900	43.8	45.4	54.6	61.6	77.2	80.8	84.4	89.6	91.4	92.4	93.7	94.8	95.1	95.2	95.3	95.4
GE 800	43.8	45.4	54.6	61.6	77.4	81.0	84.7	90.1	92.0	92.9	94.4	95.5	95.9	96.0	96.0	96.2
GE 700	43.8	45.4	54.6	61.7	77.5	81.1	84.8	90.4	92.5	93.5	95.1	96.3	96.7	96.8	96.9	97.0
GE 600	43.8	45.4	54.6	61.7	77.5	81.1	84.8	90.4	92.7	93.7	95.5	96.7	97.0	97.2	97.2	97.3
GE 500	43.8	45.4	54.6	61.7	77.5	81.1	84.8	90.5	92.8	94.0	95.8	97.1	97.5	97.6	97.7	97.8
GE 400	43.8	45.4	54.6	61.7	77.5	81.1	84.8	90.6	92.9	94.3	96.2	97.5	97.9	98.0	98.1	98.2
GE 300	43.8	45.4	54.6	61.7	77.5	81.1	84.8	90.7	93.1	94.6	96.5	98.0	98.3	98.5	98.6	98.8
GE 200	43.8	45.4	54.6	61.7	77.5	81.1	84.8	90.7	93.1	94.6	96.6	98.0	98.5	98.7	98.8	99.1
GE 100	43.8	45.4	54.6	61.7	77.5	81.1	84.8	90.7	93.1	94.6	96.6	98.0	98.5	98.7	98.9	100.0
GE 000	43.8	45.4	54.6	61.7	77.5	81.1	84.8	90.7	93.1	94.6	96.6	98.0	98.5	98.7	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 3620

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	20.0	20.0	23.3	23.3	26.7	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	33.3
GE 20000	20.0	20.0	23.3	23.3	30.0	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	36.7
GE 18000	20.0	20.0	23.3	23.3	30.0	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	36.7
GE 16000	20.0	20.0	23.3	23.3	30.0	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	36.7
GE 14000	20.0	20.0	23.3	23.3	30.0	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	36.7
GE 12000	23.3	23.3	26.7	26.7	33.3	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	40.0
GE 10000	26.7	26.7	30.0	30.0	36.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	43.3
GE 9000	26.7	26.7	30.0	30.0	36.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	43.3
GE 8000	33.3	33.3	36.7	36.7	43.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	50.0
GE 7000	36.7	36.7	40.0	40.0	46.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	56.7
GE 6000	36.7	36.7	40.0	40.0	46.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	56.7
GE 5000	43.3	43.3	46.7	50.0	56.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	66.7
GE 4500	43.3	43.3	46.7	50.0	56.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	66.7
GE 4000	50.0	50.0	53.3	60.0	70.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	80.0
GE 3500	56.7	56.7	60.0	66.7	76.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	86.7
GE 3000	56.7	56.7	60.0	66.7	76.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	86.7
GE 2500	56.7	56.7	63.3	70.0	80.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	90.0
GE 2000	56.7	56.7	63.3	70.0	80.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	90.0
GE 1800	56.7	56.7	63.3	70.0	83.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	93.3
GE 1500	60.0	60.0	66.7	73.3	86.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	96.7
GE 1200	60.0	60.0	66.7	76.7	90.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	100.0
GE 1000	60.0	60.0	66.7	76.7	90.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	100.0
GE 900	60.0	60.0	66.7	76.7	90.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	100.0
GE 800	60.0	60.0	66.7	76.7	90.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	100.0
GE 700	60.0	60.0	66.7	76.7	90.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	100.0
GE 600	60.0	60.0	66.7	76.7	90.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	100.0
GE 500	60.0	60.0	66.7	76.7	90.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	100.0
GE 400	60.0	60.0	66.7	76.7	90.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	100.0
GE 300	60.0	60.0	66.7	76.7	90.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	100.0
GE 200	60.0	60.0	66.7	76.7	90.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	100.0
GE 100	60.0	60.0	66.7	76.7	90.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	100.0
GE 000	60.0	60.0	66.7	76.7	90.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 30

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	8.3	8.8	12.6	14.6	21.5	23.8	25.1	27.8	28.6	28.9	29.7	29.9	30.1	30.4	30.6	30.7
GE 20000	9.9	10.6	14.7	16.7	23.9	26.5	27.9	30.8	31.7	31.9	32.8	32.9	33.2	33.5	33.6	33.9
GE 18000	10.4	11.3	15.6	17.6	24.9	27.5	28.9	31.8	32.6	32.9	33.8	33.9	34.2	34.4	34.6	34.9
GE 16000	10.4	11.3	15.6	17.6	24.9	27.5	28.9	31.8	32.6	32.9	33.8	33.9	34.2	34.4	34.6	34.9
GE 14000	10.4	11.3	15.6	17.6	24.9	27.5	28.9	31.8	32.6	32.9	33.8	33.9	34.2	34.4	34.6	34.9
GE 12000	10.6	11.4	16.1	18.5	25.8	28.5	29.9	32.9	33.9	34.2	35.0	35.1	35.4	35.7	35.8	36.1
GE 10000	11.8	12.6	17.5	20.1	27.6	30.3	31.8	35.0	36.0	36.4	37.2	37.4	37.6	37.9	38.1	38.3
GE 9000	13.2	14.0	18.9	21.5	29.7	32.4	33.9	37.1	38.1	38.5	39.3	39.4	39.7	40.0	40.1	40.4
GE 8000	15.1	16.0	22.9	26.0	34.9	37.8	39.6	43.2	44.2	44.6	45.4	45.6	45.8	46.1	46.3	46.5
GE 7000	16.5	17.4	24.9	28.1	37.9	41.3	43.3	46.9	47.9	48.3	49.2	49.3	49.6	49.9	50.0	50.3
GE 6000	17.1	17.9	25.6	28.8	38.6	41.9	44.0	47.6	48.6	49.0	49.9	50.0	50.3	50.6	50.7	51.0
GE 5000	19.2	20.0	28.2	31.8	41.9	45.4	47.5	51.1	52.1	52.5	53.3	53.5	53.8	54.0	54.2	54.4
GE 4500	19.9	20.8	29.7	33.5	43.8	47.4	49.7	53.5	54.4	54.9	55.8	56.0	56.3	56.5	56.7	56.9
GE 4000	22.5	23.6	33.9	37.6	50.1	54.0	56.7	60.7	61.7	62.1	63.1	63.2	63.5	63.8	63.9	64.2
GE 3500	25.1	26.7	38.2	42.2	54.9	58.9	61.7	66.0	67.1	67.8	68.9	69.0	69.3	69.6	69.7	70.0
GE 3000	30.6	32.5	45.7	50.4	63.9	68.2	71.1	75.6	76.8	77.5	78.6	78.8	79.0	79.3	79.4	79.7
GE 2500	32.9	34.9	48.8	53.8	67.5	72.2	75.3	80.1	81.4	82.1	83.2	83.5	83.8	84.0	84.2	84.4
GE 2000	35.6	37.9	52.9	58.1	72.9	78.6	82.2	87.9	89.3	90.0	91.1	91.4	91.7	91.9	92.1	92.4
GE 1800	36.0	38.2	53.3	58.6	73.9	79.6	83.2	88.9	90.3	91.0	92.1	92.4	92.6	92.9	93.1	93.3
GE 1500	36.3	38.5	53.6	59.2	74.7	80.4	84.7	90.4	91.8	92.5	93.6	93.9	94.2	94.4	94.6	94.9
GE 1200	36.4	38.6	53.8	59.4	75.0	80.7	85.0	90.7	92.2	92.9	94.0	94.3	94.6	94.9	95.0	95.3
GE 1000	36.4	38.6	53.8	59.4	75.4	81.1	85.4	91.1	92.6	93.3	94.4	94.7	95.0	95.3	95.4	95.7
GE 900	36.4	38.6	53.8	59.4	75.4	81.1	85.4	91.1	92.6	93.3	94.4	94.7	95.0	95.3	95.4	95.7
GE 800	36.4	38.6	53.8	59.4	76.0	81.7	86.0	91.7	93.3	94.0	95.3	95.6	95.8	96.1	96.3	96.5
GE 700	36.4	38.6	53.8	59.4	76.0	81.7	86.0	91.7	93.3	94.0	95.3	95.6	95.8	96.1	96.3	96.5
GE 600	36.4	38.6	53.8	59.4	76.0	81.8	86.4	92.1	93.9	94.6	95.8	96.1	96.4	96.7	96.8	97.1
GE 500	36.4	38.6	53.8	59.4	76.0	81.8	86.4	92.1	93.9	94.9	96.1	96.4	96.7	96.9	97.1	97.4
GE 400	36.4	38.6	53.8	59.4	76.0	81.9	86.5	92.6	94.7	95.7	96.9	97.2	97.5	97.8	98.1	98.3
GE 300	36.4	38.6	53.8	59.4	76.0	81.9	86.5	92.6	94.7	95.7	96.9	97.2	97.5	97.8	98.1	98.3
GE 200	36.4	38.6	53.8	59.4	76.0	81.9	86.5	92.6	94.7	95.7	96.9	97.2	97.5	97.8	98.1	98.6
GE 100	36.4	38.6	53.8	59.4	76.0	81.9	86.5	92.6	94.7	95.7	96.9	97.2	97.5	97.8	98.1	99.9
GE 000	36.4	38.6	53.8	59.4	76.0	81.9	86.5	92.6	94.7	95.7	96.9	97.2	97.5	97.8	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 720

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	7.6	8.1	11.9	13.8	22.7	25.6	26.9	27.8	28.5	28.6	28.6	28.7	28.7	28.7	28.7	28.9
GE 20000	8.6	9.4	13.9	16.1	25.9	29.4	31.3	32.3	33.0	33.1	33.1	33.2	33.2	33.2	33.2	33.4
GE 18000	9.0	9.8	14.3	16.5	26.4	29.9	31.8	32.9	33.5	33.6	33.6	33.8	33.8	33.8	33.8	33.9
GE 16000	9.0	9.8	14.3	16.5	26.4	29.9	31.8	32.9	33.5	33.6	33.6	33.8	33.8	33.8	33.8	33.9
GE 14000	9.0	9.8	14.3	16.5	26.4	29.9	31.8	32.9	33.5	33.6	33.6	33.8	33.8	33.8	33.8	33.9
GE 12000	9.1	9.9	14.4	16.8	26.7	30.2	32.1	33.1	33.8	33.9	33.9	34.0	34.0	34.0	34.0	34.1
GE 10000	10.2	11.0	15.6	18.2	28.1	31.8	33.8	34.9	35.6	35.8	35.8	36.0	36.0	36.0	36.0	36.1
GE 9000	11.1	11.9	17.5	20.2	30.5	34.3	36.2	37.5	38.1	38.4	38.4	38.5	38.5	38.5	38.5	38.7
GE 8000	14.2	14.9	21.9	25.5	36.3	40.1	42.1	43.7	44.3	44.6	44.6	44.7	44.7	44.7	44.7	44.8
GE 7000	15.7	16.5	24.6	28.4	39.7	43.4	45.6	47.4	48.1	48.3	48.3	48.5	48.5	48.5	48.5	48.6
GE 6000	16.2	17.0	25.1	29.1	40.7	44.5	46.8	48.6	49.2	49.5	49.5	49.6	49.6	49.6	49.6	49.7
GE 5000	17.9	18.8	27.6	31.6	43.6	47.4	50.3	52.1	52.7	53.0	53.0	53.1	53.1	53.1	53.1	53.2
GE 4500	17.9	18.8	27.6	31.6	43.8	47.7	50.5	52.4	53.1	53.4	53.4	53.5	53.5	53.5	53.5	53.6
GE 4000	19.8	21.0	30.8	35.8	48.7	52.8	56.3	58.4	59.0	59.3	59.3	59.4	59.4	59.4	59.4	59.5
GE 3500	23.5	24.7	35.2	40.2	53.5	58.2	61.7	64.0	64.7	65.2	65.2	65.3	65.3	65.3	65.3	65.5
GE 3000	31.4	33.0	45.5	51.7	65.9	71.5	75.8	78.6	79.4	80.2	80.2	80.3	80.3	80.3	80.3	80.4
GE 2500	32.6	34.1	47.0	53.2	68.2	74.2	79.1	82.2	83.2	84.0	84.0	84.1	84.1	84.1	84.1	84.3
GE 2000	36.0	37.5	51.2	57.6	74.1	80.8	86.1	89.4	90.5	91.2	91.4	91.6	91.6	91.6	91.6	91.8
GE 1800	36.3	37.9	51.5	58.1	74.7	81.6	86.9	90.6	91.6	92.4	92.5	92.8	92.8	92.8	92.8	92.9
GE 1500	36.7	38.3	51.9	58.6	76.2	83.1	88.4	92.1	93.2	93.9	94.2	94.5	94.5	94.5	94.5	94.6
GE 1200	36.9	38.4	52.1	58.9	76.5	83.5	88.8	92.5	93.6	94.3	94.6	94.8	94.8	94.8	94.8	95.0
GE 1000	37.0	38.5	52.2	59.0	77.4	84.4	89.7	93.4	94.5	95.2	95.5	95.7	95.7	95.7	95.7	95.9
GE 900	37.0	38.5	52.2	59.3	77.8	84.8	90.1	93.9	95.0	95.7	96.0	96.3	96.3	96.3	96.3	96.4
GE 800	37.0	38.5	52.2	59.4	78.0	84.9	90.2	94.2	95.2	96.0	96.3	96.6	96.6	96.6	96.6	96.8
GE 700	37.0	38.5	52.2	59.4	78.0	84.9	90.2	94.5	95.6	96.4	96.6	97.0	97.0	97.0	97.0	97.2
GE 600	37.0	38.5	52.2	59.4	78.0	84.9	90.5	94.7	95.9	96.9	97.2	97.6	97.7	97.7	97.7	97.8
GE 500	37.0	38.5	52.2	59.4	78.0	84.9	90.5	94.8	96.0	97.0	97.3	97.7	97.8	97.8	97.8	97.9
GE 400	37.0	38.5	52.2	59.4	78.0	84.9	90.6	95.1	96.3	97.3	97.6	97.9	98.1	98.1	98.1	98.2
GE 300	37.0	38.5	52.2	59.4	78.0	84.9	90.6	95.5	96.6	97.7	97.9	98.3	98.5	98.5	98.5	98.6
GE 200	37.0	38.5	52.2	59.4	78.0	84.9	90.6	95.5	96.6	97.7	97.9	98.3	98.5	98.5	98.5	98.7
GE 100	37.0	38.5	52.2	59.4	78.0	84.9	90.6	95.5	96.6	97.7	97.9	98.3	98.5	98.5	98.5	100.0
GE 000	37.0	38.5	52.2	59.4	78.0	84.9	90.6	95.5	96.6	97.7	97.9	98.3	98.5	98.5	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 776

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	8.9	9.0	12.9	17.6	25.5	27.0	27.8	28.1	28.1	28.1	28.2	28.2	28.2	28.2	28.2	28.2
GE 20000	11.4	11.5	16.8	22.3	31.1	32.8	33.6	33.8	33.8	33.8	33.9	33.9	33.9	33.9	33.9	33.9
GE 18000	11.6	11.7	17.2	22.7	31.5	33.2	33.9	34.2	34.2	34.2	34.3	34.3	34.3	34.3	34.3	34.3
GE 16000	11.6	11.7	17.2	22.7	31.5	33.2	33.9	34.2	34.2	34.2	34.3	34.3	34.3	34.3	34.3	34.3
GE 14000	11.6	11.7	17.2	22.7	31.5	33.2	33.9	34.2	34.2	34.2	34.3	34.3	34.3	34.3	34.3	34.3
GE 12000	11.6	11.7	17.8	23.2	32.1	33.8	34.6	34.9	34.9	34.9	35.0	35.0	35.0	35.0	35.0	35.0
GE 10000	12.1	12.3	18.3	23.8	32.9	34.9	35.6	35.9	35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.0
GE 9000	12.9	13.1	19.6	25.1	34.3	36.3	37.2	37.5	37.5	37.5	37.6	37.6	37.6	37.6	37.6	37.6
GE 8000	16.6	16.8	23.5	29.4	38.8	41.0	42.0	42.3	42.3	42.3	42.4	42.4	42.4	42.4	42.4	42.4
GE 7000	18.3	18.5	25.5	31.3	41.0	43.3	44.4	44.8	44.8	44.8	44.9	44.9	44.9	44.9	44.9	44.9
GE 6000	18.4	18.7	25.6	31.7	41.4	43.7	44.8	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3
GE 5000	20.5	20.8	27.9	34.2	44.6	47.0	48.0	48.4	48.4	48.4	48.6	48.6	48.6	48.6	48.6	48.6
GE 4500	20.9	21.1	28.3	34.6	45.0	47.4	48.4	48.8	48.8	48.8	49.0	49.0	49.0	49.0	49.0	49.0
GE 4000	26.5	27.0	34.6	41.8	52.7	55.4	57.0	57.4	57.4	57.4	57.6	57.6	57.6	57.6	57.6	57.6
GE 3500	30.5	31.1	39.7	47.1	59.9	62.5	64.4	64.8	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9
GE 3000	43.6	44.5	55.0	63.4	78.1	81.2	83.2	83.9	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1
GE 2500	46.0	47.0	57.8	66.8	82.1	85.6	87.6	88.6	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8
GE 2000	48.8	50.0	61.2	70.5	87.2	90.9	93.0	94.1	94.1	94.1	94.3	94.3	94.3	94.3	94.3	94.3
GE 1800	49.0	50.1	61.4	70.6	87.3	91.0	93.1	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5
GE 1500	49.0	50.1	61.4	70.8	87.9	91.6	93.9	95.8	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0
GE 1200	49.0	50.1	61.4	71.0	88.3	92.0	94.3	96.3	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5
GE 1000	49.1	50.3	61.7	71.5	88.9	92.7	94.9	97.3	97.3	97.3	97.4	97.4	97.4	97.5	97.7	97.7
GE 900	49.1	50.3	61.7	71.5	88.9	92.7	94.9	97.8	97.8	97.8	97.9	97.9	97.9	98.0	98.2	98.2
GE 800	49.1	50.3	61.7	71.5	88.9	92.8	95.0	98.0	98.0	98.0	98.2	98.2	98.2	98.3	98.4	98.4
GE 700	49.1	50.3	61.7	71.5	88.9	93.1	95.3	98.3	98.3	98.3	98.4	98.4	98.4	98.6	98.7	98.7
GE 600	49.1	50.3	61.7	71.5	88.9	93.1	95.3	98.3	98.3	98.3	98.6	98.6	98.6	98.7	98.8	98.8
GE 500	49.1	50.3	61.7	71.5	88.9	93.5	95.7	98.7	98.7	98.7	99.0	99.0	99.0	99.1	99.2	99.2
GE 400	49.1	50.3	61.7	71.5	88.9	93.5	95.7	98.7	98.7	98.7	99.0	99.0	99.0	99.1	99.2	99.2
GE 300	49.1	50.3	61.7	71.5	88.9	93.5	95.7	98.8	98.8	98.8	99.2	99.2	99.2	99.5	99.6	99.7
GE 200	49.1	50.3	61.7	71.5	88.9	93.5	95.7	98.8	98.8	98.8	99.2	99.2	99.2	99.5	99.6	100.0
GE 100	49.1	50.3	61.7	71.5	88.9	93.5	95.7	98.8	98.8	98.8	99.2	99.2	99.2	99.5	99.6	100.0
GE 000	49.1	50.3	61.7	71.5	88.9	93.5	95.7	98.8	98.8	98.8	99.2	99.2	99.2	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 766

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	14.8	15.1	20.5	27.0	33.2	33.6	34.2	34.2	34.2	34.2	34.2	34.5	34.5	34.5	34.5	34.5
GE 20000	17.9	18.2	24.6	31.9	38.7	39.2	39.8	39.8	39.8	39.8	39.8	40.0	40.2	40.3	40.4	40.4
GE 18000	18.0	18.5	25.1	32.4	39.2	39.8	40.3	40.3	40.3	40.3	40.3	40.6	40.7	40.8	41.0	41.0
GE 16000	18.2	18.5	25.2	32.6	39.3	39.9	40.4	40.4	40.4	40.4	40.4	40.7	40.8	41.0	41.1	41.1
GE 14000	18.2	18.5	25.2	32.6	39.3	39.9	40.4	40.4	40.4	40.4	40.4	40.7	40.8	41.0	41.1	41.1
GE 12000	18.5	18.7	25.6	33.0	39.8	40.3	40.8	40.8	40.8	40.8	40.8	41.1	41.2	41.4	41.5	41.5
GE 10000	19.3	19.5	26.6	34.1	41.0	41.5	42.1	42.1	42.1	42.1	42.1	42.3	42.5	42.6	42.7	42.7
GE 9000	19.8	20.1	27.5	35.0	42.3	42.9	43.4	43.4	43.4	43.4	43.4	43.7	43.8	44.0	44.1	44.1
GE 8000	24.7	25.4	33.4	41.4	49.1	49.7	50.6	50.6	50.6	50.7	50.7	51.0	51.2	51.3	51.4	51.4
GE 7000	27.3	28.2	36.6	44.8	52.6	53.2	54.1	54.3	54.3	54.4	54.4	54.7	54.8	55.0	55.1	55.1
GE 6000	27.8	28.8	37.2	45.3	53.2	53.7	54.7	54.8	54.8	55.0	55.0	55.2	55.4	55.5	55.6	55.6
GE 5000	29.0	30.0	38.8	47.5	55.5	56.0	57.0	57.1	57.1	57.3	57.3	57.5	57.7	57.8	57.9	57.9
GE 4500	30.5	31.5	40.3	49.1	57.1	57.8	58.8	58.9	58.9	59.0	59.0	59.3	59.4	59.6	59.7	59.7
GE 4000	35.5	36.8	46.1	55.1	63.5	64.3	65.5	65.8	65.8	65.9	65.9	66.2	66.4	66.5	66.6	66.6
GE 3500	41.5	42.9	52.5	61.6	70.8	71.6	73.0	73.4	73.4	73.5	73.5	73.8	73.9	74.1	74.2	74.2
GE 3000	50.6	52.5	63.6	73.5	84.3	85.8	87.1	87.5	87.5	87.7	87.7	87.9	88.1	88.2	88.3	88.3
GE 2500	52.8	54.7	66.4	76.4	88.2	90.1	91.5	91.9	91.9	92.0	92.0	92.3	92.4	92.5	92.7	92.7
GE 2000	54.1	56.0	68.7	78.8	92.1	94.3	95.8	96.3	96.3	96.5	96.5	96.7	96.9	97.0	97.2	97.2
GE 1800	54.1	56.0	68.7	78.8	92.1	94.3	95.8	96.3	96.3	96.5	96.5	96.7	96.9	97.0	97.2	97.2
GE 1500	54.5	56.4	69.3	79.8	93.6	96.1	97.7	98.2	98.2	98.4	98.4	98.6	98.8	98.9	99.1	99.1
GE 1200	54.5	56.4	69.3	79.8	93.8	96.2	97.8	98.4	98.4	98.5	98.5	98.8	98.9	99.1	99.2	99.2
GE 1000	54.5	56.4	69.3	79.8	93.9	96.3	98.0	98.6	98.6	98.8	98.8	99.1	99.2	99.3	99.5	99.5
GE 900	54.5	56.4	69.3	79.8	93.9	96.3	98.0	98.6	98.6	98.8	98.8	99.1	99.2	99.3	99.5	99.5
GE 800	54.5	56.4	69.3	79.8	93.9	96.5	98.1	98.8	98.8	98.9	98.9	99.2	99.3	99.5	99.6	99.6
GE 700	54.5	56.4	69.3	79.8	93.9	96.5	98.1	98.8	98.8	98.9	98.9	99.2	99.3	99.5	99.6	99.6
GE 600	54.5	56.4	69.3	79.8	93.9	96.5	98.1	98.8	98.8	98.9	98.9	99.2	99.3	99.5	99.6	99.6
GE 500	54.5	56.4	69.3	79.8	93.9	96.7	98.4	99.1	99.1	99.2	99.2	99.5	99.6	99.7	99.9	99.9
GE 400	54.5	56.4	69.3	79.8	93.9	96.7	98.4	99.1	99.1	99.2	99.2	99.5	99.6	99.7	99.9	99.9
GE 300	54.5	56.4	69.3	79.8	93.9	96.7	98.4	99.1	99.1	99.2	99.2	99.5	99.6	99.7	100.0	100.0
GE 200	54.5	56.4	69.3	79.8	93.9	96.7	98.4	99.1	99.1	99.2	99.2	99.5	99.6	99.7	100.0	100.0
GE 100	54.5	56.4	69.3	79.8	93.9	96.7	98.4	99.1	99.1	99.2	99.2	99.5	99.6	99.7	100.0	100.0
GE 000	54.5	56.4	69.3	79.8	93.9	96.7	98.4	99.1	99.1	99.2	99.2	99.5	99.6	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 737

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 18-20

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	20.8	21.4	25.6	32.0	38.2	39.0	40.0	40.6	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 20000	24.6	25.1	29.8	36.9	43.3	44.0	45.1	45.6	45.6	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 18000	24.9	25.4	30.1	37.2	43.6	44.3	45.3	45.9	45.9	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 16000	24.9	25.4	30.1	37.2	43.6	44.3	45.3	45.9	45.9	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 14000	24.9	25.4	30.1	37.2	43.6	44.3	45.3	45.9	45.9	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 12000	25.4	26.0	31.0	38.1	44.5	45.2	46.2	46.8	46.8	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 10000	26.6	27.3	32.3	39.4	46.2	46.9	48.0	48.5	48.5	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 9000	28.2	28.9	33.9	41.0	48.3	49.0	50.0	50.6	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 8000	32.6	33.6	39.5	46.9	54.9	55.7	56.8	57.6	57.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 7000	33.3	34.3	40.3	48.0	56.3	57.0	58.1	58.9	58.9	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 6000	33.7	34.7	40.7	48.4	56.7	57.4	58.6	59.3	59.3	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 5000	35.5	36.5	42.4	50.7	59.0	59.7	60.9	61.6	61.6	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 4500	37.2	38.5	44.6	53.1	61.6	62.4	63.7	64.4	64.4	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 4000	42.7	44.3	50.9	60.3	70.1	71.2	72.5	73.4	73.4	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 3500	46.9	48.9	55.8	66.1	76.2	77.3	78.9	79.8	79.8	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 3000	53.9	56.3	63.8	74.0	85.8	87.5	89.4	90.6	90.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 2500	55.8	58.3	66.3	77.0	88.5	90.4	92.4	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 2000	56.3	58.7	67.0	78.2	90.6	93.3	95.5	96.9	96.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1800	56.3	58.7	67.0	78.8	91.3	94.0	96.2	97.7	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	56.3	58.7	67.2	78.9	91.9	94.6	96.8	98.3	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1200	56.5	59.0	67.4	79.2	92.2	94.9	97.1	98.5	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	56.5	59.0	67.4	79.2	92.2	94.9	97.1	98.5	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	56.5	59.0	67.4	79.2	92.2	94.9	97.1	98.5	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	56.5	59.0	67.4	79.2	92.2	94.9	97.1	98.5	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	56.5	59.0	67.4	79.2	92.2	94.9	97.1	98.5	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 600	56.5	59.0	67.4	79.2	92.2	94.9	97.1	98.5	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	56.5	59.0	67.4	79.2	92.2	95.3	97.5	99.0	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	56.5	59.0	67.4	79.2	92.2	95.3	97.5	99.0	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	56.5	59.0	67.4	79.2	92.2	95.3	97.5	99.0	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 200	56.5	59.0	67.4	79.2	92.2	95.3	97.5	99.0	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 100	56.5	59.0	67.4	79.2	92.2	95.3	97.5	99.0	99.0	99.6	99.6	99.6	99.6	99.9	99.9	100.0
GE 000	56.5	59.0	67.4	79.2	92.2	95.3	97.5	99.0	99.0	99.6	99.6	99.6	99.6	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 588

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	24.6	26.4	29.5	37.8	44.1	44.1	44.7	45.8	45.8	45.8	46.1	46.1	46.4	46.4	46.4	46.4
GE 20000	26.9	28.9	32.7	41.5	48.1	48.1	48.7	49.9	49.9	49.9	50.1	50.1	50.4	50.4	50.4	50.4
GE 18000	27.2	29.2	33.0	41.8	48.4	48.4	49.0	50.1	50.1	50.1	50.4	50.4	50.7	50.7	50.7	50.7
GE 16000	27.2	29.2	33.0	41.8	48.4	48.4	49.0	50.1	50.1	50.1	50.4	50.4	50.7	50.7	50.7	50.7
GE 14000	27.2	29.2	33.0	41.8	48.4	48.4	49.0	50.1	50.1	50.1	50.4	50.4	50.7	50.7	50.7	50.7
GE 12000	27.2	29.2	33.0	41.8	48.4	48.4	49.0	50.1	50.1	50.1	50.4	50.4	50.7	50.7	50.7	50.7
GE 10000	27.5	29.5	33.2	42.7	49.3	49.3	49.9	51.0	51.0	51.0	51.3	51.3	51.6	51.6	51.6	51.6
GE 9000	28.4	30.4	34.1	43.6	50.1	50.1	50.7	51.9	51.9	51.9	52.1	52.1	52.4	52.4	52.4	52.4
GE 8000	33.5	35.8	39.8	49.3	56.4	56.7	57.3	58.5	58.5	58.5	58.7	58.7	59.0	59.0	59.0	59.0
GE 7000	35.0	37.5	41.5	51.0	58.2	58.5	59.0	60.2	60.2	60.2	60.5	60.5	60.7	60.7	60.7	60.7
GE 6000	35.8	38.4	42.4	51.9	59.0	59.3	59.9	61.0	61.0	61.0	61.3	61.3	61.6	61.6	61.6	61.6
GE 5000	40.1	42.7	47.3	57.0	64.2	64.5	65.0	66.2	66.2	66.2	66.5	66.5	66.8	66.8	66.8	66.8
GE 4500	42.1	44.7	49.6	59.3	66.8	67.0	68.2	69.3	69.3	69.3	69.6	69.6	69.9	69.9	69.9	69.9
GE 4000	48.1	51.0	56.4	66.2	75.4	75.6	76.8	78.2	78.2	78.2	78.5	78.5	78.8	78.8	78.8	78.8
GE 3500	50.4	53.9	59.3	70.2	79.7	80.2	81.7	83.1	83.1	83.1	83.4	83.4	83.7	83.7	83.7	83.7
GE 3000	54.2	57.9	65.3	76.2	87.1	88.8	90.3	92.0	92.0	92.0	92.3	92.3	92.6	93.1	93.1	93.1
GE 2500	55.6	59.3	67.6	78.8	89.7	91.4	92.8	94.6	94.6	94.6	94.8	94.8	95.1	95.7	95.7	95.7
GE 2000	56.2	59.9	68.5	79.7	91.7	94.0	95.4	98.0	98.0	98.0	98.3	98.3	98.6	99.1	99.1	99.1
GE 1800	56.2	59.9	68.5	80.2	92.3	94.6	96.0	98.6	98.6	98.6	98.9	98.9	99.1	99.7	99.7	99.7
GE 1500	56.2	59.9	68.5	80.2	92.3	94.6	96.0	98.6	98.6	98.6	98.9	98.9	99.1	99.7	99.7	99.7
GE 1200	56.2	59.9	68.5	80.2	92.3	94.6	96.0	98.6	98.6	98.6	98.9	98.9	99.1	99.7	99.7	99.7
GE 1000	56.2	59.9	68.5	80.2	92.3	94.6	96.0	98.6	98.6	98.6	98.9	98.9	99.1	99.7	99.7	99.7
GE 900	56.2	59.9	68.5	80.2	92.3	94.6	96.0	98.6	98.6	98.6	98.9	98.9	99.1	99.7	99.7	99.7
GE 800	56.2	59.9	68.5	80.2	92.3	94.6	96.0	98.6	98.6	98.6	98.9	98.9	99.1	99.7	99.7	99.7
GE 700	56.2	59.9	68.5	80.2	92.3	94.6	96.0	98.6	98.6	98.6	98.9	98.9	99.1	99.7	99.7	99.7
GE 600	56.2	59.9	68.5	80.2	92.3	94.6	96.0	98.6	98.6	98.6	98.9	98.9	99.1	99.7	99.7	99.7
GE 500	56.2	59.9	68.5	80.2	92.3	94.8	96.3	98.9	98.9	98.9	99.1	99.1	99.4	100.0	100.0	100.0
GE 400	56.2	59.9	68.5	80.2	92.3	94.8	96.3	98.9	98.9	98.9	99.1	99.1	99.4	100.0	100.0	100.0
GE 300	56.2	59.9	68.5	80.2	92.3	94.8	96.3	98.9	98.9	98.9	99.1	99.1	99.4	100.0	100.0	100.0
GE 200	56.2	59.9	68.5	80.2	92.3	94.8	96.3	98.9	98.9	98.9	99.1	99.1	99.4	100.0	100.0	100.0
GE 100	56.2	59.9	68.5	80.2	92.3	94.8	96.3	98.9	98.9	98.9	99.1	99.1	99.4	100.0	100.0	100.0
GE 000	56.2	59.9	68.5	80.2	92.3	94.8	96.3	98.9	98.9	98.9	99.1	99.1	99.4	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 349

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	13.1	13.6	17.7	22.3	29.4	30.9	31.8	32.7	33.0	33.1	33.3	33.4	33.5	33.5	33.6	33.6
GE 20000	15.4	16.0	20.9	26.0	33.7	35.4	36.5	37.5	37.7	37.9	38.0	38.1	38.2	38.3	38.4	38.5
GE 18000	15.7	16.4	21.4	26.5	34.2	35.9	37.0	38.0	38.2	38.4	38.6	38.7	38.8	38.8	38.9	39.0
GE 16000	15.7	16.4	21.4	26.5	34.3	36.0	37.0	38.0	38.3	38.4	38.6	38.7	38.8	38.9	38.9	39.0
GE 14000	15.7	16.4	21.4	26.5	34.3	36.0	37.0	38.0	38.3	38.4	38.6	38.7	38.8	38.9	38.9	39.0
GE 12000	16.0	16.6	21.9	27.1	34.8	36.5	37.6	38.6	38.9	39.0	39.2	39.3	39.4	39.5	39.5	39.6
GE 10000	16.9	17.5	22.9	28.2	36.2	38.0	39.1	40.1	40.4	40.6	40.8	40.9	41.0	41.1	41.1	41.2
GE 9000	17.9	18.5	24.2	29.6	38.0	39.8	40.9	42.0	42.3	42.4	42.6	42.7	42.8	42.9	42.9	43.0
GE 8000	21.6	22.5	29.1	34.9	43.8	45.7	47.0	48.2	48.5	48.8	49.0	49.1	49.2	49.2	49.3	49.4
GE 7000	23.2	24.1	31.2	37.2	46.4	48.5	49.9	51.2	51.5	51.7	51.9	52.0	52.1	52.2	52.2	52.3
GE 6000	23.7	24.6	31.7	37.8	47.0	49.1	50.5	51.8	52.1	52.4	52.6	52.7	52.8	52.8	52.9	53.0
GE 5000	25.7	26.6	34.1	40.6	50.1	52.2	53.7	55.0	55.3	55.6	55.8	55.9	56.0	56.1	56.1	56.2
GE 4500	26.6	27.6	35.3	41.8	51.5	53.7	55.3	56.7	57.0	57.2	57.4	57.5	57.6	57.7	57.7	57.8
GE 4000	30.9	32.2	40.6	47.7	58.5	60.8	62.8	64.3	64.6	64.9	65.1	65.2	65.3	65.4	65.4	65.5
GE 3500	34.9	36.4	45.5	52.9	64.3	66.9	69.0	70.7	71.0	71.3	71.6	71.7	71.8	71.8	71.9	72.0
GE 3000	43.0	44.9	55.5	63.7	76.4	79.6	82.0	83.9	84.3	84.7	84.9	85.0	85.1	85.2	85.3	85.4
GE 2500	44.9	46.8	58.0	66.4	79.7	83.2	85.8	87.8	88.2	88.6	88.9	89.0	89.1	89.2	89.3	89.4
GE 2000	46.9	48.9	60.8	69.4	84.0	88.0	90.9	93.3	93.7	94.1	94.4	94.5	94.6	94.8	94.8	94.9
GE 1800	47.1	49.1	61.0	69.8	84.5	88.6	91.4	93.9	94.4	94.8	95.0	95.2	95.3	95.4	95.5	95.5
GE 1500	47.3	49.3	61.3	70.2	85.4	89.6	92.6	95.2	95.7	96.1	96.4	96.5	96.6	96.7	96.8	96.9
GE 1200	47.4	49.4	61.4	70.5	85.7	89.9	92.9	95.5	96.0	96.4	96.7	96.9	97.0	97.1	97.1	97.2
GE 1000	47.5	49.5	61.5	70.6	86.1	90.3	93.3	96.0	96.5	96.9	97.2	97.3	97.4	97.6	97.6	97.7
GE 900	47.5	49.5	61.5	70.6	86.2	90.4	93.3	96.2	96.7	97.1	97.4	97.5	97.6	97.8	97.8	97.9
GE 800	47.5	49.5	61.5	70.7	86.3	90.5	93.5	96.4	96.9	97.3	97.6	97.8	97.9	98.1	98.1	98.2
GE 700	47.5	49.5	61.5	70.7	86.3	90.6	93.6	96.5	97.0	97.4	97.8	97.9	98.0	98.2	98.3	98.4
GE 600	47.5	49.5	61.5	70.7	86.3	90.6	93.7	96.7	97.2	97.6	98.0	98.2	98.3	98.4	98.5	98.6
GE 500	47.5	49.5	61.5	70.7	86.3	90.8	93.9	96.0	97.4	97.9	98.3	98.5	98.6	98.7	98.8	98.9
GE 400	47.5	49.5	61.5	70.7	86.3	90.9	93.9	97.0	97.6	98.1	98.5	98.6	98.8	98.9	99.0	99.1
GE 300	47.5	49.5	61.5	70.7	86.3	90.9	93.9	97.1	97.7	98.2	98.6	98.8	98.9	99.1	99.2	99.3
GE 200	47.5	49.5	61.5	70.7	86.3	90.9	93.9	97.1	97.7	98.2	98.6	98.8	98.9	99.1	99.2	99.4
GE 100	47.5	49.5	61.5	70.7	86.3	90.9	93.9	97.1	97.7	98.2	98.6	98.8	98.9	99.1	99.2	100.0
GE 000	47.5	49.5	61.5	70.7	86.3	90.9	93.9	97.1	97.7	98.2	98.6	98.8	98.9	99.1	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 4066

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	22.1	22.1	27.4	31.3	36.5	37.0	38.5	39.9	39.9	40.4	40.4	40.4	40.4	40.4	40.4	40.4
GE 20000	24.0	24.0	29.3	33.2	40.4	41.3	42.8	45.2	45.2	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 18000	24.0	24.0	29.3	33.2	40.4	41.3	42.8	45.2	45.2	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 16000	24.0	24.0	29.3	33.2	40.4	41.3	42.8	45.2	45.2	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 14000	24.0	24.0	29.3	33.2	40.4	41.3	42.8	45.2	45.2	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 12000	24.5	24.5	29.8	33.7	40.9	41.8	43.3	45.7	45.7	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 10000	27.4	27.9	33.7	38.0	45.2	46.2	48.6	51.0	51.0	51.4	51.9	51.9	51.9	51.9	51.9	51.9
GE 9000	29.3	29.8	35.6	39.9	47.1	49.0	51.4	53.8	53.8	54.3	54.8	54.8	54.8	54.8	54.8	54.8
GE 8000	33.2	33.7	39.4	43.8	52.9	55.3	57.7	60.1	60.1	60.6	61.5	61.5	61.5	61.5	61.5	61.5
GE 7000	33.7	34.1	39.9	44.7	54.8	57.2	59.6	62.0	62.0	62.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 6000	35.1	35.6	41.3	46.2	57.2	59.6	62.0	64.4	64.4	64.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 5000	36.1	36.5	42.8	47.6	59.1	61.5	63.9	66.8	66.8	67.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 4500	36.5	37.0	43.3	48.1	59.6	62.5	64.9	68.3	68.3	68.8	69.7	69.7	69.7	69.7	69.7	69.7
GE 4000	38.5	38.9	46.2	51.0	63.5	66.8	70.2	74.0	74.0	74.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 3500	41.3	41.8	50.0	54.8	68.8	73.1	76.4	80.3	80.3	80.8	81.7	81.7	81.7	81.7	81.7	81.7
GE 3000	43.8	44.2	53.4	58.2	72.1	76.4	79.8	83.7	83.7	84.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 2500	45.7	46.2	56.3	61.5	76.4	80.8	84.1	88.0	88.0	88.5	89.4	89.4	89.4	89.4	89.4	89.4
GE 2000	46.6	47.1	57.7	63.0	78.8	84.1	88.0	92.3	92.8	93.3	94.2	94.2	94.2	94.2	94.2	94.2
GE 1800	46.6	47.1	58.2	63.5	79.8	85.1	88.9	93.3	93.8	94.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1500	48.1	48.6	59.6	64.9	81.3	86.5	90.4	94.7	95.2	95.7	96.6	96.6	96.6	96.6	96.6	96.6
GE 1200	48.1	48.6	59.6	65.4	81.7	87.0	90.9	95.2	95.7	96.2	97.1	97.1	97.1	97.1	97.1	97.1
GE 1000	48.1	48.6	59.6	65.4	82.2	87.5	91.3	95.7	96.2	96.6	97.6	97.6	98.1	98.1	98.1	98.1
GE 900	48.1	48.6	59.6	65.4	82.2	87.5	91.3	95.7	96.2	96.6	97.6	97.6	98.1	98.1	98.1	98.1
GE 800	48.1	48.6	59.6	65.4	82.2	87.5	91.3	95.7	96.2	96.6	97.6	97.6	98.1	98.1	98.1	98.1
GE 700	48.1	48.6	59.6	65.4	82.7	88.0	91.8	96.2	96.6	97.1	98.1	98.1	98.6	98.6	98.6	98.6
GE 600	48.1	48.6	59.6	65.4	82.7	88.5	92.3	96.6	97.1	97.6	98.6	98.6	99.0	99.0	99.0	99.0
GE 500	48.1	48.6	59.6	65.4	82.7	88.5	92.3	96.6	97.1	97.6	98.6	98.6	99.0	99.0	99.0	99.0
GE 400	48.1	48.6	59.6	65.4	82.7	88.5	92.3	96.6	97.1	97.6	98.6	98.6	99.0	99.0	99.0	99.5
GE 300	48.1	48.6	59.6	65.4	82.7	88.5	92.3	96.6	97.1	97.6	98.6	98.6	99.0	99.0	99.0	99.5
GE 200	48.1	48.6	59.6	65.4	82.7	88.5	92.3	96.6	97.1	97.6	98.6	98.6	99.0	99.0	99.0	100.0
GE 100	48.1	48.6	59.6	65.4	82.7	88.5	92.3	96.6	97.1	97.6	98.6	98.6	99.0	99.0	99.0	100.0
GE 000	48.1	48.6	59.6	65.4	82.7	88.5	92.3	96.6	97.1	97.6	98.6	98.6	99.0	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 208

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	17.8	18.6	23.2	27.9	34.0	35.4	36.2	37.0	37.6	37.7	38.0	38.0	38.1	38.1	38.3	38.7
GE 20000	19.3	20.2	25.8	31.2	38.5	40.1	41.0	42.1	42.7	42.8	43.1	43.1	43.2	43.2	43.4	43.8
GE 18000	19.5	20.3	26.0	31.4	38.8	40.3	41.3	42.4	43.0	43.1	43.4	43.4	43.5	43.5	43.6	44.1
GE 16000	19.5	20.3	26.0	31.4	38.8	40.3	41.3	42.4	43.0	43.1	43.4	43.4	43.5	43.5	43.6	44.1
GE 14000	19.5	20.3	26.0	31.4	38.8	40.3	41.3	42.4	43.0	43.1	43.4	43.4	43.5	43.5	43.6	44.1
GE 12000	19.6	20.4	26.1	31.5	39.0	40.5	41.7	43.0	43.6	43.8	44.1	44.1	44.2	44.2	44.3	44.8
GE 10000	22.1	22.9	29.6	35.2	43.0	45.0	46.4	47.8	48.5	48.6	49.2	49.2	49.3	49.3	49.4	49.9
GE 9000	23.5	24.3	31.2	36.9	44.9	47.2	49.0	50.4	51.1	51.2	51.8	51.8	51.9	51.9	52.1	52.5
GE 8000	24.9	25.7	34.0	40.2	49.9	52.6	54.7	56.2	57.0	57.5	58.3	58.3	58.4	58.4	58.6	59.0
GE 7000	25.8	26.8	35.6	42.0	52.1	55.0	57.2	58.8	59.7	60.1	60.9	60.9	61.0	61.0	61.2	61.6
GE 6000	26.8	27.8	36.7	43.1	53.5	56.6	58.8	60.5	61.3	61.7	62.6	62.6	62.7	62.7	62.8	63.3
GE 5000	27.9	28.9	39.1	45.9	57.6	60.9	63.3	65.1	65.9	66.3	67.3	67.4	67.5	67.5	67.7	68.1
GE 4500	29.0	30.0	40.2	47.0	59.5	62.8	65.5	67.4	68.2	68.6	69.6	69.8	69.9	69.9	70.2	70.6
GE 4000	30.9	31.9	42.8	49.7	63.4	67.1	70.3	73.1	74.0	74.4	75.6	75.7	75.8	75.8	76.1	76.5
GE 3500	32.6	33.8	45.0	52.3	67.0	71.1	74.3	77.1	78.0	78.5	79.6	79.7	79.8	79.8	80.1	80.5
GE 3000	35.6	37.2	49.4	57.2	73.1	77.3	80.5	83.3	84.3	84.7	85.8	85.9	86.0	86.0	86.3	86.7
GE 2500	36.6	38.1	51.2	59.3	75.8	80.2	83.4	86.2	87.2	87.7	88.8	89.0	89.1	89.1	89.4	89.8
GE 2000	36.7	38.3	51.7	59.8	77.5	82.6	86.3	89.4	90.5	91.0	92.1	92.3	92.4	92.4	92.7	93.1
GE 1800	37.0	38.5	51.9	60.1	77.9	83.0	86.9	89.9	91.0	91.6	92.7	92.8	93.0	93.0	93.2	93.6
GE 1500	37.3	38.8	52.2	60.5	78.9	84.0	88.0	91.2	92.3	92.8	93.9	94.2	94.3	94.3	94.6	95.0
GE 1200	37.3	38.8	52.3	60.8	79.3	84.4	88.7	92.5	93.6	94.2	95.3	95.6	95.7	95.7	96.0	96.4
GE 1000	37.3	38.8	52.3	60.8	79.3	84.4	88.7	92.5	93.6	94.2	95.7	96.0	96.3	96.3	96.5	97.0
GE 900	37.3	38.8	52.3	60.8	79.3	84.4	88.7	92.5	93.6	94.2	95.7	96.0	96.3	96.3	96.5	97.0
GE 800	37.3	38.8	52.3	60.8	79.6	84.7	89.0	93.0	94.1	94.6	96.3	96.5	96.8	96.8	97.1	97.5
GE 700	37.3	38.8	52.3	61.0	80.0	85.1	89.4	93.4	94.5	95.0	96.7	97.0	97.4	97.4	97.7	98.1
GE 600	37.3	38.8	52.3	61.0	80.0	85.5	89.8	93.8	94.9	95.4	97.1	97.4	97.8	97.8	98.1	98.5
GE 500	37.3	38.8	52.3	61.0	80.0	85.5	89.8	93.8	94.9	95.6	97.2	97.5	97.9	97.9	98.2	98.6
GE 400	37.3	38.8	52.3	61.0	80.0	85.5	89.8	93.8	94.9	95.7	97.5	97.8	98.2	98.5	98.8	99.6
GE 300	37.3	38.8	52.3	61.0	80.0	85.5	89.8	93.8	94.9	95.7	97.5	97.9	98.3	98.6	98.9	99.9
GE 200	37.3	38.8	52.3	61.0	80.0	85.5	89.8	93.8	94.9	95.7	97.5	97.9	98.3	98.6	99.0	100.0
GE 100	37.3	38.8	52.3	61.0	80.0	85.5	89.8	93.8	94.9	95.7	97.5	97.9	98.3	98.6	99.0	100.0
GE 000	37.3	38.8	52.3	61.0	80.0	85.5	89.8	93.8	94.9	95.7	97.5	97.9	98.3	98.6	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 724

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	18.9	19.5	26.6	30.9	36.5	37.3	37.6	37.7	37.7	37.7	37.7	37.7	38.0	38.0	38.1	38.1
GE 20000	20.6	21.3	30.1	34.8	41.2	42.2	42.6	42.8	42.8	42.8	42.8	42.8	43.0	43.0	43.2	43.2
GE 18000	20.6	21.3	30.1	34.8	41.2	42.2	42.6	42.8	42.8	42.8	42.8	42.8	43.0	43.0	43.2	43.2
GE 16000	20.6	21.3	30.2	34.9	41.3	42.4	42.8	42.9	42.9	42.9	42.9	42.9	43.2	43.2	43.3	43.3
GE 14000	20.6	21.3	30.2	34.9	41.3	42.4	42.8	42.9	42.9	42.9	42.9	42.9	43.2	43.2	43.3	43.3
GE 12000	20.9	21.5	30.6	35.4	41.8	42.9	43.4	43.6	43.6	43.6	43.6	43.6	43.9	43.9	44.0	44.0
GE 10000	21.7	22.3	32.0	37.2	44.0	45.5	46.3	46.4	46.4	46.4	46.8	46.8	47.1	47.1	47.2	47.2
GE 9000	23.1	23.8	33.4	38.8	45.6	47.1	47.9	48.0	48.0	48.0	48.4	48.4	48.7	48.7	48.8	48.8
GE 8000	24.9	25.5	35.7	41.8	50.4	51.9	52.8	52.9	52.9	53.1	53.5	53.5	53.7	53.7	53.9	53.9
GE 7000	25.4	26.2	36.5	42.9	52.0	53.5	54.5	54.7	54.7	54.8	55.2	55.2	55.5	55.5	55.6	55.6
GE 6000	25.8	26.6	36.9	43.4	52.7	54.3	55.3	55.5	55.5	55.6	56.0	56.0	56.3	56.3	56.4	56.4
GE 5000	27.4	28.2	39.4	46.3	56.7	58.6	59.8	59.9	59.9	60.0	60.4	60.4	60.7	60.7	60.8	60.8
GE 4500	27.9	28.7	40.8	47.7	58.2	60.0	61.2	61.4	61.4	61.5	61.9	61.9	62.2	62.2	62.3	62.3
GE 4000	30.5	31.3	43.7	50.7	63.0	65.1	66.6	66.7	66.8	67.0	67.4	67.4	67.6	67.6	67.8	67.8
GE 3500	33.0	33.8	46.5	53.7	67.0	69.1	70.6	70.7	70.9	71.0	71.4	71.4	71.7	71.7	71.8	71.8
GE 3000	39.8	41.2	55.2	63.9	78.2	80.7	82.5	82.9	83.0	83.2	83.6	83.6	83.8	83.8	84.0	84.0
GE 2500	40.5	41.8	56.8	65.8	80.3	83.4	85.3	85.7	85.8	86.1	86.5	86.5	86.8	86.8	86.9	86.9
GE 2000	41.0	42.4	58.6	68.2	84.0	87.4	89.7	90.1	90.2	90.5	90.9	90.9	91.2	91.2	91.3	91.3
GE 1800	41.0	42.4	58.7	68.6	84.6	88.2	90.6	91.2	91.3	91.6	92.0	92.0	92.2	92.2	92.4	92.4
GE 1500	41.3	42.8	59.2	69.4	86.4	90.1	92.8	93.3	93.4	93.7	94.1	94.1	94.4	94.4	94.5	94.5
GE 1200	41.4	42.9	59.8	69.9	87.4	91.3	94.3	95.1	95.2	95.5	96.0	96.0	96.3	96.3	96.4	96.4
GE 1000	41.4	42.9	59.8	70.2	88.0	92.0	94.9	95.7	95.9	96.1	97.1	97.1	97.3	97.3	97.5	97.5
GE 900	41.4	42.9	59.8	70.2	88.1	92.1	95.1	95.9	96.0	96.3	97.2	97.2	97.5	97.5	97.6	97.6
GE 800	41.4	42.9	59.8	70.2	88.5	92.5	95.6	96.4	96.5	96.8	97.7	97.9	98.1	98.1	98.3	98.3
GE 700	41.4	42.9	59.8	70.2	88.5	92.5	95.6	96.4	96.5	96.8	97.9	98.0	98.3	98.3	98.4	98.4
GE 600	41.4	42.9	59.8	70.2	88.6	92.6	95.7	96.5	96.7	96.9	98.1	98.3	98.5	98.5	98.7	98.7
GE 500	41.4	42.9	59.8	70.2	88.6	92.6	95.7	96.5	96.7	97.1	98.4	98.5	98.8	98.8	98.9	98.9
GE 400	41.4	42.9	59.8	70.2	88.6	92.6	95.7	96.7	96.8	97.3	98.7	98.9	99.2	99.3	99.5	99.7
GE 300	41.4	42.9	59.8	70.2	88.6	92.6	95.7	96.7	96.8	97.3	98.8	99.1	99.5	99.6	99.7	100.0
GE 200	41.4	42.9	59.8	70.2	88.6	92.6	95.7	96.7	96.8	97.3	98.8	99.1	99.5	99.6	99.7	100.0
GE 100	41.4	42.9	59.8	70.2	88.6	92.6	95.7	96.7	96.8	97.3	98.8	99.1	99.5	99.6	99.7	100.0
GE 000	41.4	42.9	59.8	70.2	88.6	92.6	95.7	96.7	96.8	97.3	98.8	99.1	99.5	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 748

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280 STATION NAME: COLEMAN AAF/MANNHEIM DL PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: - 1 MONTH: APR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	27.9	28.1	32.6	34.3	36.9	37.0	37.1	37.1	37.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3
GE 20000	32.0	32.4	37.4	39.1	42.3	42.4	42.5	42.5	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 18000	32.0	32.4	37.4	39.1	42.3	42.4	42.5	42.5	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 16000	32.0	32.4	37.4	39.1	42.3	42.4	42.5	42.5	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 14000	32.0	32.4	37.4	39.1	42.3	42.4	42.5	42.5	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 12000	32.0	32.4	37.4	39.1	42.3	42.4	42.5	42.5	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 10000	33.6	33.9	40.2	42.0	45.2	45.6	45.8	46.0	46.0	46.4	46.4	46.4	46.4	46.4	46.4	46.4
GE 9000	34.3	34.9	41.3	43.2	46.4	46.8	47.0	47.2	47.2	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 8000	36.6	37.1	44.5	47.6	51.7	52.2	52.4	52.8	52.8	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 7000	37.6	38.2	45.7	49.1	53.5	54.0	54.3	54.7	54.7	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 6000	37.9	38.4	46.2	49.7	54.2	54.7	55.0	55.4	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 5000	39.5	40.2	48.0	51.4	56.3	56.8	57.1	57.5	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9
GE 4500	40.4	41.1	49.4	53.0	58.3	58.8	59.0	59.4	59.4	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 4000	44.9	45.6	54.7	58.8	65.3	65.8	66.1	66.4	66.4	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 3500	48.7	49.5	59.3	63.7	71.5	72.0	72.3	72.7	72.8	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 3000	58.4	59.3	71.2	76.9	85.7	86.8	87.1	87.7	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 2500	60.5	61.4	73.7	79.7	89.0	90.2	90.5	91.1	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 2000	62.0	62.9	75.6	81.6	91.7	93.4	93.7	94.3	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 1800	62.0	62.9	75.7	82.2	92.3	94.1	94.3	95.0	95.1	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 1500	62.0	62.9	75.8	82.6	93.5	95.2	95.5	96.2	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1200	62.0	62.9	76.4	83.4	94.6	96.3	96.6	97.2	97.4	97.8	98.0	98.2	98.2	98.2	98.2	98.2
GE 1000	62.0	62.9	76.6	84.0	95.5	97.5	97.8	98.4	98.5	98.9	99.2	99.3	99.3	99.3	99.3	99.3
GE 900	62.0	62.9	76.6	84.0	95.5	97.5	97.8	98.4	98.5	98.9	99.2	99.3	99.3	99.3	99.3	99.3
GE 800	62.0	62.9	76.6	84.0	95.6	97.6	97.9	98.5	98.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6
GE 700	62.0	62.9	76.6	84.0	95.6	97.6	97.9	98.5	98.7	99.2	99.5	99.6	99.6	99.6	99.6	99.6
GE 600	62.0	62.9	76.6	84.0	95.6	97.6	97.9	98.5	98.7	99.2	99.6	99.7	99.7	99.7	99.7	99.7
GE 500	62.0	62.9	76.6	84.0	95.6	97.9	98.2	98.8	98.9	99.5	99.9	100.0	100.0	100.0	100.0	100.0
GE 400	62.0	62.9	76.6	84.0	95.6	97.9	98.2	98.8	98.9	99.5	99.9	100.0	100.0	100.0	100.0	100.0
GE 300	62.0	62.9	76.6	84.0	95.6	97.9	98.2	98.8	98.9	99.5	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	62.0	62.9	76.6	84.0	95.6	97.9	98.2	98.8	98.9	99.5	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	62.0	62.9	76.6	84.0	95.6	97.9	98.2	98.8	98.9	99.5	99.9	100.0	100.0	100.0	100.0	100.0
GE 000	62.0	62.9	76.6	84.0	95.6	97.9	98.2	98.8	98.9	99.5	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 757

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	30.2	31.2	33.6	35.9	36.9	36.9	37.1	37.5	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
GE 20000	35.6	36.7	39.7	42.3	43.6	43.6	43.7	44.2	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.4
GE 18000	35.6	36.7	39.7	42.3	43.6	43.6	43.7	44.2	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.4
GE 16000	35.6	36.7	39.7	42.3	43.6	43.6	43.7	44.2	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.4
GE 14000	35.8	36.8	39.8	42.4	43.7	43.7	43.9	44.3	44.4	44.4	44.6	44.6	44.6	44.6	44.6	44.6
GE 12000	35.9	37.1	40.1	42.7	44.0	44.0	44.2	44.6	44.7	44.7	44.9	44.9	44.9	44.9	44.9	44.9
GE 10000	40.1	41.4	44.7	47.6	49.2	49.2	49.4	49.8	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.1
GE 9000	41.4	42.7	46.2	49.1	50.6	50.6	50.8	51.2	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5
GE 8000	45.0	46.8	51.9	55.3	57.3	57.4	57.6	58.6	58.7	58.7	58.9	58.9	58.9	58.9	58.9	58.9
GE 7000	46.3	48.1	54.1	58.0	60.3	60.5	60.6	61.6	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9
GE 6000	46.9	48.6	54.7	58.6	61.0	61.2	61.3	62.3	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6
GE 5000	48.8	50.5	57.0	61.0	63.9	64.2	64.4	65.4	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7
GE 4500	50.1	52.1	59.2	63.5	66.4	66.7	66.8	67.8	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1
GE 4000	54.7	57.0	64.4	69.3	72.9	73.4	73.5	74.6	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9
GE 3500	57.7	60.2	67.7	72.7	76.5	77.1	77.3	78.4	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6
GE 3000	65.2	68.5	76.8	82.3	87.2	87.7	88.0	89.2	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6
GE 2500	67.5	70.9	79.4	85.4	91.3	92.2	92.5	93.7	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1
GE 2000	68.8	72.2	81.1	87.2	94.4	95.5	96.0	97.1	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5
GE 1800	68.8	72.2	81.1	87.3	94.5	95.7	96.1	97.3	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7
GE 1500	69.1	72.6	81.5	87.7	95.5	96.7	97.1	98.3	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	69.4	72.9	82.1	88.3	96.2	97.4	97.8	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	69.4	72.9	82.3	88.5	96.7	97.8	98.3	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	69.4	72.9	82.3	88.5	96.7	97.8	98.3	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	69.6	73.0	82.4	88.6	96.8	98.0	98.4	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	69.6	73.0	82.4	88.6	96.8	98.0	98.4	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	69.6	73.0	82.4	88.6	96.8	98.0	98.4	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	69.6	73.0	82.4	88.6	96.8	98.0	98.4	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	69.6	73.0	82.4	88.6	96.8	98.0	98.4	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	69.6	73.0	82.4	88.6	96.8	98.0	98.4	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	69.6	73.0	82.4	88.6	96.8	98.0	98.4	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	69.6	73.0	82.4	88.6	96.8	98.0	98.4	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	69.6	73.0	82.4	88.6	96.8	98.0	98.4	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 693

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: 18-20

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	34.1	35.2	37.6	40.0	40.8	40.8	40.8	41.0	41.0	41.0	41.1	41.1	41.1	41.1	41.1	41.1
GE 20000	39.8	41.1	44.3	46.7	48.1	48.1	48.1	48.4	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0
GE 18000	39.8	41.1	44.3	46.7	48.1	48.1	48.1	48.4	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0
GE 16000	39.8	41.1	44.3	46.7	48.1	48.1	48.1	48.4	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0
GE 14000	39.8	41.1	44.3	46.7	48.1	48.1	48.1	48.4	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0
GE 12000	40.2	41.6	44.8	47.1	48.6	48.6	48.6	48.9	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5
GE 10000	44.0	45.4	49.2	51.9	53.5	53.5	53.5	53.8	54.3	54.4	54.6	54.6	54.6	54.6	54.6	54.6
GE 9000	45.6	47.0	50.8	53.7	55.2	55.2	55.2	55.6	56.0	56.2	56.3	56.3	56.3	56.3	56.3	56.3
GE 8000	49.8	51.6	56.5	59.8	62.2	62.2	62.2	62.9	63.3	63.5	63.7	63.7	63.7	63.7	63.7	63.7
GE 7000	53.3	55.1	60.0	63.5	66.3	66.3	66.5	67.1	67.9	68.1	68.3	68.3	68.3	68.3	68.3	68.3
GE 6000	54.6	56.3	61.6	65.1	67.9	67.9	68.1	68.7	69.5	69.7	69.8	69.8	69.8	69.8	69.8	69.8
GE 5000	56.5	58.3	64.1	68.1	71.6	71.7	72.2	72.9	73.7	73.8	74.0	74.0	74.0	74.0	74.0	74.0
GE 4500	57.5	59.4	65.4	69.5	73.2	73.3	73.8	74.4	75.2	75.4	75.6	75.6	75.6	75.6	75.6	75.6
GE 4000	61.4	63.3	69.7	74.6	78.6	79.2	79.7	80.3	81.1	81.3	81.4	81.4	81.4	81.4	81.4	81.4
GE 3500	62.7	64.8	71.7	76.7	81.3	81.9	82.5	83.2	84.0	84.1	84.3	84.3	84.3	84.3	84.3	84.3
GE 3000	68.7	71.1	78.3	83.3	88.9	89.5	90.3	91.0	91.9	92.1	92.2	92.2	92.2	92.2	92.2	92.2
GE 2500	70.0	72.4	79.8	85.1	91.6	92.2	93.0	93.7	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9
GE 2000	71.4	73.8	81.6	87.5	95.1	95.7	96.5	97.1	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6
GE 1800	71.4	73.8	81.7	87.6	95.2	95.9	96.7	97.3	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 1500	71.7	74.1	82.1	88.1	95.9	96.5	97.3	97.9	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4
GE 1200	71.7	74.1	82.2	88.3	96.0	96.7	97.5	98.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	71.7	74.1	82.2	88.3	96.3	97.0	97.8	98.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	71.7	74.1	82.2	88.3	96.3	97.0	97.8	98.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	71.7	74.1	82.2	88.3	96.3	97.1	97.9	98.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	71.7	74.1	82.2	88.3	96.3	97.1	97.9	98.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	71.7	74.1	82.2	88.3	96.3	97.1	97.9	98.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	71.7	74.1	82.2	88.3	96.3	97.1	97.9	98.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	71.7	74.1	82.2	88.3	96.3	97.1	97.9	98.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	71.7	74.1	82.2	88.3	96.3	97.1	97.9	98.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	71.7	74.1	82.2	88.3	96.3	97.1	97.9	98.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	71.7	74.1	82.2	88.3	96.3	97.1	97.9	98.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	71.7	74.1	82.2	88.3	96.3	97.1	97.9	98.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 630

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	41.4	43.2	44.6	45.9	48.2	48.2	48.2	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 20000	45.5	47.3	49.1	50.5	53.6	53.6	53.6	54.1	54.1	54.1	54.5	54.5	54.5	54.5	54.5	54.5
GE 18000	45.5	47.3	49.1	50.5	53.6	53.6	53.6	54.1	54.1	54.1	54.5	54.5	54.5	54.5	54.5	54.5
GE 16000	45.5	47.3	49.1	50.5	53.6	53.6	53.6	54.1	54.1	54.1	54.5	54.5	54.5	54.5	54.5	54.5
GE 14000	45.5	47.3	49.1	50.5	53.6	53.6	53.6	54.1	54.1	54.1	54.5	54.5	54.5	54.5	54.5	54.5
GE 12000	45.9	47.7	49.5	50.9	54.1	54.1	54.1	54.5	54.5	54.5	55.0	55.0	55.0	55.0	55.0	55.0
GE 10000	48.6	50.5	52.3	53.6	57.2	57.2	57.2	57.7	57.7	58.1	58.6	58.6	58.6	58.6	58.6	58.6
GE 9000	49.5	51.4	53.2	54.5	58.1	58.1	58.1	58.6	58.6	59.0	59.5	59.5	59.5	59.5	59.5	59.5
GE 8000	53.2	55.0	58.1	59.5	64.0	64.4	64.9	65.3	65.3	65.8	66.2	66.2	66.2	66.2	66.2	66.2
GE 7000	56.8	58.6	61.7	63.1	67.6	68.0	68.5	68.9	69.4	69.8	70.3	70.3	70.3	70.3	70.3	70.3
GE 6000	58.6	60.4	63.5	64.9	69.4	69.8	70.3	70.7	71.2	71.6	72.1	72.1	72.1	72.1	72.1	72.1
GE 5000	61.7	63.5	67.6	68.9	74.3	74.8	75.2	75.7	76.1	76.6	77.0	77.0	77.0	77.0	77.0	77.0
GE 4500	63.1	64.9	68.9	70.3	76.6	77.0	77.5	77.9	78.4	78.8	79.3	79.3	79.3	79.3	79.3	79.3
GE 4000	66.2	68.0	72.1	73.4	80.2	80.6	81.1	81.5	82.0	82.4	82.9	82.9	82.9	82.9	82.9	82.9
GE 3500	68.0	69.8	74.8	76.1	83.8	84.2	84.7	85.1	85.6	86.0	86.5	86.5	86.5	86.5	86.5	86.5
GE 3000	71.6	73.4	78.8	80.2	88.3	88.7	89.6	90.5	91.0	91.4	91.9	91.9	91.9	91.9	91.9	91.9
GE 2500	73.0	74.8	80.6	82.4	91.9	92.3	93.2	94.1	94.6	95.0	95.5	95.5	95.5	95.5	95.5	95.5
GE 2000	73.4	75.2	81.1	83.3	94.1	94.6	95.5	96.4	97.3	97.7	98.2	98.2	98.2	98.2	98.2	98.2
GE 1800	73.4	75.2	81.5	83.8	94.6	95.0	95.9	96.8	97.7	98.2	98.6	98.6	98.6	98.6	98.6	98.6
GE 1500	73.4	75.2	81.5	84.2	95.0	95.5	96.4	97.3	98.2	98.6	99.1	99.1	99.1	99.1	99.1	99.1
GE 1200	73.4	75.2	81.5	84.2	95.0	95.5	96.4	97.3	98.2	98.6	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	73.4	75.2	81.5	84.2	95.5	95.9	96.8	97.7	98.6	99.1	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	73.4	75.2	81.5	84.2	95.5	95.9	96.8	97.7	98.6	99.1	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	73.4	75.2	81.5	84.2	95.5	96.4	97.3	98.2	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	73.4	75.2	81.5	84.2	95.5	96.4	97.3	98.2	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	73.4	75.2	81.5	84.2	95.5	96.4	97.3	98.2	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	73.4	75.2	81.5	84.2	95.5	96.4	97.3	98.2	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	73.4	75.2	81.5	84.2	95.5	96.4	97.3	98.2	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	73.4	75.2	81.5	84.2	95.5	96.4	97.3	98.2	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	73.4	75.2	81.5	84.2	95.5	96.4	97.3	98.2	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	73.4	75.2	81.5	84.2	95.5	96.4	97.3	98.2	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	73.4	75.2	81.5	84.2	95.5	96.4	97.3	98.2	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 222

PERATING LOCATION "A"
SAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC. - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	26.2	27.0	31.1	34.2	37.5	38.0	38.3	38.7	38.8	38.9	39.0	39.0	39.0	39.0	39.1	39.2
GE 20000	29.8	30.6	35.6	38.9	43.1	43.6	44.0	44.5	44.7	44.8	44.9	44.9	45.0	45.0	45.1	45.1
GE 18000	29.8	30.6	35.7	39.0	43.1	43.7	44.0	44.6	44.8	44.9	45.0	45.0	45.1	45.1	45.1	45.2
GE 16000	29.8	30.6	35.7	39.0	43.1	43.7	44.1	44.6	44.8	44.9	45.0	45.0	45.1	45.1	45.1	45.2
GE 14000	29.8	30.6	35.7	39.0	43.2	43.7	44.1	44.6	44.8	44.9	45.0	45.0	45.1	45.1	45.2	45.2
GE 12000	30.0	30.9	36.0	39.3	43.5	44.0	44.5	45.0	45.2	45.3	45.5	45.5	45.5	45.5	45.6	45.7
GE 10000	32.5	33.5	39.3	42.8	47.2	48.0	48.6	49.2	49.4	49.6	49.9	49.9	49.9	49.9	50.0	50.1
GE 9000	33.9	34.8	40.7	44.3	48.8	49.7	50.4	50.9	51.2	51.3	51.6	51.6	51.7	51.7	51.7	51.8
GE 8000	36.6	37.6	44.6	48.9	54.5	55.5	56.3	57.1	57.4	57.6	58.0	58.0	58.1	58.1	58.1	58.2
GE 7000	38.0	39.2	46.5	51.0	57.0	58.1	59.0	59.8	60.1	60.4	60.7	60.7	60.8	60.8	60.8	60.9
GE 6000	38.8	40.0	47.4	52.0	58.1	59.3	60.1	61.0	61.3	61.6	61.9	61.9	62.0	62.0	62.0	62.1
GE 5000	40.5	41.6	49.7	54.5	61.5	62.8	63.7	64.6	64.9	65.2	65.6	65.6	65.7	65.7	65.7	65.8
GE 4500	41.4	42.7	51.1	56.1	63.3	64.6	65.6	66.6	66.9	67.2	67.5	67.6	67.6	67.6	67.7	67.8
GE 4000	44.8	46.1	55.0	60.3	68.7	70.2	71.4	72.6	72.9	73.2	73.6	73.6	73.7	73.7	73.8	73.8
GE 3500	47.3	48.7	58.1	63.6	72.8	74.5	75.7	76.8	77.2	77.5	77.9	77.9	78.0	78.0	78.1	78.2
GE 3000	53.6	55.3	65.8	72.0	82.2	84.1	85.5	86.7	87.2	87.4	87.8	87.8	87.9	87.9	88.0	88.1
GE 2500	55.0	56.8	67.9	74.4	85.3	87.4	88.8	90.1	90.5	90.8	91.2	91.2	91.3	91.3	91.4	91.5
GE 2000	56.0	57.8	69.3	76.1	88.1	90.6	92.2	93.6	94.1	94.4	94.8	94.9	94.9	94.9	95.0	95.1
GE 1800	56.0	57.8	69.5	76.5	88.6	91.1	92.8	94.1	94.7	95.0	95.4	95.4	95.5	95.5	95.6	95.6
GE 1500	56.3	58.1	69.9	77.0	89.7	92.2	94.0	95.4	95.9	96.2	96.6	96.7	96.7	96.7	96.8	96.9
GE 1200	56.4	58.2	70.2	77.5	90.3	92.9	94.8	96.3	96.9	97.2	97.6	97.7	97.8	97.8	97.9	97.9
GE 1000	56.4	58.2	70.3	77.7	90.8	93.4	95.3	96.8	97.4	97.7	98.3	98.4	98.5	98.5	98.6	98.7
GE 900	56.4	58.2	70.3	77.7	90.8	93.5	95.3	96.9	97.4	97.7	98.3	98.4	98.5	98.5	98.6	98.7
GE 800	56.4	58.2	70.3	77.7	91.0	93.7	95.6	97.1	97.7	98.0	98.7	98.8	98.9	98.9	99.0	99.0
GE 700	56.4	58.2	70.3	77.7	91.1	93.8	95.7	97.2	97.8	98.1	98.8	98.9	99.0	99.0	99.1	99.2
GE 600	56.4	58.2	70.3	77.7	91.1	93.9	95.8	97.4	97.9	98.2	99.0	99.1	99.2	99.2	99.3	99.4
GE 500	56.4	58.2	70.3	77.7	91.1	94.0	95.8	97.4	98.0	98.3	99.1	99.2	99.3	99.3	99.4	99.5
GE 400	56.4	58.2	70.3	77.7	91.1	94.0	95.8	97.4	98.0	98.4	99.2	99.3	99.5	99.5	99.6	99.8
GE 300	56.4	58.2	70.3	77.7	91.1	94.0	95.8	97.4	98.0	98.4	99.2	99.4	99.5	99.6	99.7	99.9
GE 200	56.4	58.2	70.3	77.7	91.1	94.0	95.8	97.4	98.0	98.4	99.2	99.4	99.5	99.6	99.7	100.0
GE 100	56.4	58.2	70.3	77.7	91.1	94.0	95.8	97.4	98.0	98.4	99.2	99.4	99.5	99.6	99.7	100.0
GE 000	56.4	58.2	70.3	77.7	91.1	94.0	95.8	97.4	98.0	98.4	99.2	99.4	99.5	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 3982

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	16.5	16.5	22.3	23.3	30.1	34.5	35.0	35.4	35.4	35.4	35.9	36.4	36.4	36.4	36.4	37.4
GE 20000	18.4	18.4	24.8	26.2	33.5	37.9	38.3	39.3	39.3	39.3	39.8	40.3	40.3	40.3	40.3	41.3
GE 18000	18.4	18.4	24.8	26.2	33.5	37.9	38.3	39.3	39.3	39.3	39.8	40.3	40.3	40.3	40.3	41.3
GE 16000	18.4	18.4	24.8	26.2	33.5	37.9	38.3	39.3	39.3	39.3	39.8	40.3	40.3	40.3	40.3	41.3
GE 14000	18.9	18.9	25.2	26.7	34.0	38.3	38.8	39.8	39.8	39.8	40.3	40.8	40.8	40.8	40.8	41.7
GE 12000	18.9	18.9	25.2	26.7	34.0	38.3	38.8	39.8	39.8	39.8	40.3	40.8	40.8	40.8	40.8	41.7
GE 10000	19.9	19.9	26.7	28.2	36.9	41.3	41.7	43.2	43.2	43.2	43.7	44.2	44.2	44.2	44.2	45.1
GE 9000	20.9	20.9	28.2	29.6	38.8	43.2	43.7	45.1	45.1	45.1	45.6	46.1	46.1	46.1	46.1	47.1
GE 8000	24.3	24.3	33.0	35.0	45.1	50.0	50.5	51.9	51.9	51.9	52.4	52.9	52.9	52.9	52.9	53.9
GE 7000	26.2	26.2	35.0	37.4	48.1	52.9	53.4	54.9	54.9	54.9	55.3	55.8	55.8	55.8	55.8	56.8
GE 6000	27.2	27.2	35.9	38.3	49.0	53.9	54.9	56.3	56.3	56.3	56.8	57.3	57.3	57.3	57.3	58.3
GE 5000	28.2	28.2	36.9	40.8	52.4	57.3	58.3	60.7	60.7	60.7	61.2	61.7	61.7	61.7	61.7	62.6
GE 4500	30.1	30.1	39.3	43.2	54.9	60.2	61.7	64.1	64.1	64.1	64.6	65.0	65.0	65.0	65.0	66.0
GE 4000	35.9	36.4	46.1	51.9	67.0	72.3	74.3	76.7	76.7	76.7	77.2	77.7	77.7	77.7	77.7	78.6
GE 3500	37.9	38.3	49.0	54.9	70.4	75.7	77.7	80.6	80.6	80.6	81.1	81.6	81.6	81.6	81.6	82.5
GE 3000	40.3	40.8	51.5	57.3	74.3	80.1	82.5	85.4	85.4	85.4	85.9	86.4	86.4	86.4	86.4	87.9
GE 2500	41.3	41.7	53.4	59.2	76.2	83.0	85.4	88.8	89.3	89.3	89.8	90.3	90.3	90.3	90.3	91.7
GE 2000	41.7	42.2	54.9	60.7	78.2	85.4	87.9	91.3	91.7	91.7	92.2	92.7	92.7	92.7	92.7	94.2
GE 1800	42.2	42.7	55.3	61.2	78.6	85.9	88.3	91.7	92.2	92.2	92.7	93.2	93.2	93.2	93.2	94.7
GE 1500	42.2	42.7	55.8	61.7	80.1	87.4	91.3	94.7	95.1	95.1	95.6	96.1	96.1	96.1	96.1	97.6
GE 1200	42.2	42.7	55.8	61.7	80.1	87.4	91.3	94.7	95.1	95.1	96.1	96.6	96.6	96.6	96.6	98.1
GE 1000	42.2	42.7	55.8	61.7	80.1	87.4	91.3	94.7	95.1	95.1	96.1	96.6	96.6	96.6	96.6	98.1
GE 900	42.2	42.7	55.8	61.7	80.1	87.4	91.3	94.7	95.1	95.1	96.1	96.6	96.6	96.6	96.6	98.1
GE 800	42.2	42.7	55.8	61.7	80.1	87.4	91.3	95.1	95.6	95.6	96.6	97.1	97.1	97.1	97.1	98.5
GE 700	42.2	42.7	55.8	61.7	80.1	87.4	91.3	95.1	95.6	95.6	96.6	97.1	97.1	97.1	97.1	98.5
GE 600	42.2	42.7	55.8	61.7	80.1	87.4	91.3	95.1	95.6	95.6	96.6	97.1	97.1	97.1	97.1	98.5
GE 500	42.2	42.7	55.8	61.7	80.1	87.4	91.3	95.1	95.6	95.6	96.6	97.1	97.1	97.1	97.1	98.5
GE 400	42.2	42.7	55.8	61.7	80.1	87.4	91.3	95.1	95.6	95.6	96.6	97.1	97.1	97.1	97.1	98.5
GE 300	42.2	42.7	55.8	61.7	80.1	87.4	91.3	95.1	95.6	95.6	96.6	97.1	97.1	97.1	97.1	98.5
GE 200	42.2	42.7	55.8	61.7	80.1	87.4	91.3	95.1	95.6	95.6	96.6	97.1	97.1	97.1	97.1	98.5
GE 100	42.2	42.7	55.8	61.7	80.1	87.4	91.3	95.1	95.6	95.6	96.6	97.1	97.1	97.1	97.1	99.5
GE 000	42.2	42.7	55.8	61.7	80.6	87.9	91.7	95.6	96.1	96.1	97.1	97.6	97.6	97.6	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 206

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	20.2	20.2	25.3	28.4	35.2	37.1	37.5	37.5	37.6	37.6	37.6	37.9	37.9	37.9	38.2	38.5
GE 20000	21.8	22.0	28.0	31.6	38.6	40.9	41.3	41.3	41.5	41.5	41.5	41.8	41.8	41.8	42.0	42.3
GE 18000	22.1	22.3	28.4	32.0	39.0	41.3	41.8	41.8	41.9	41.9	41.9	42.2	42.2	42.2	42.4	42.7
GE 16000	22.1	22.3	28.4	32.0	39.1	41.5	41.9	41.9	42.0	42.0	42.0	42.3	42.3	42.3	42.6	42.9
GE 14000	22.5	22.7	28.8	32.4	39.6	41.9	42.3	42.3	42.4	42.4	42.4	42.7	42.7	42.7	43.0	43.3
GE 12000	23.1	23.2	29.4	33.0	40.4	42.7	43.1	43.1	43.3	43.3	43.3	43.5	43.5	43.5	43.8	44.1
GE 10000	24.5	24.6	31.5	35.0	42.7	45.1	45.6	45.6	45.7	45.9	45.9	46.3	46.3	46.3	46.6	46.8
GE 9000	25.0	25.1	32.6	36.5	44.5	47.0	47.5	47.7	47.8	47.9	47.9	48.4	48.4	48.4	48.6	48.9
GE 8000	28.6	29.1	37.4	41.8	51.1	53.8	54.5	55.1	55.2	55.4	55.6	56.0	56.2	56.2	56.5	56.7
GE 7000	30.4	31.2	40.0	45.1	54.5	57.4	58.1	58.7	58.8	58.9	59.2	59.6	59.8	59.8	60.0	60.3
GE 6000	30.6	31.5	40.2	45.3	54.8	57.8	58.5	59.2	59.3	59.5	59.8	60.2	60.3	60.3	60.6	60.9
GE 5000	32.0	33.0	42.3	47.7	57.7	60.9	61.5	62.4	62.5	62.8	63.0	63.5	63.6	63.6	63.9	64.1
GE 4500	34.6	35.7	45.2	50.5	60.7	63.9	64.6	65.4	65.5	65.8	66.1	66.5	66.6	66.6	66.9	67.2
GE 4000	40.2	41.3	52.1	58.9	70.2	73.8	74.5	75.5	75.7	76.0	76.2	76.6	76.8	76.8	77.1	77.3
GE 3500	41.6	42.7	54.7	62.0	74.3	78.0	79.7	80.8	80.9	81.2	81.5	81.9	82.0	82.0	82.3	82.6
GE 3000	44.5	45.6	58.8	66.6	80.4	84.3	86.4	87.6	87.8	88.0	88.3	88.7	88.9	88.9	89.1	89.4
GE 2500	45.1	46.2	59.5	67.9	81.9	86.5	88.6	89.8	90.0	90.2	90.5	90.9	91.1	91.1	91.3	91.6
GE 2000	45.5	46.6	60.6	69.0	83.4	88.2	90.2	91.5	91.9	92.2	92.4	92.9	93.0	93.0	93.3	93.5
GE 1800	45.5	46.6	61.0	69.4	83.9	88.7	90.8	92.2	92.6	92.9	93.1	93.5	93.7	93.7	94.0	94.2
GE 1500	45.7	46.8	61.7	70.2	85.7	90.8	93.0	94.5	95.1	95.3	95.6	96.0	96.2	96.2	96.4	96.7
GE 1200	45.7	46.8	61.7	70.2	86.1	91.5	93.7	95.2	95.7	96.0	96.6	97.0	97.1	97.1	97.4	97.7
GE 1000	45.7	46.8	61.7	70.2	86.1	91.9	94.4	95.9	96.4	96.7	97.3	97.7	97.8	97.8	98.1	98.4
GE 900	45.7	46.8	61.7	70.2	86.1	91.9	94.4	96.0	96.6	96.8	97.4	97.8	97.9	97.9	98.2	98.5
GE 800	45.7	46.8	61.7	70.2	86.1	91.9	94.4	96.2	96.7	97.0	97.7	98.1	98.4	98.4	98.6	98.9
GE 700	45.7	46.8	61.7	70.2	86.1	91.9	94.4	96.2	96.7	97.0	97.7	98.1	98.4	98.4	98.6	98.9
GE 600	45.7	46.8	61.7	70.2	86.1	91.9	94.4	96.2	96.7	97.0	97.7	98.1	98.4	98.4	98.6	98.9
GE 500	45.7	46.8	61.7	70.2	86.1	91.9	94.4	96.2	96.7	97.0	97.7	98.1	98.4	98.4	98.6	98.9
GE 400	45.7	46.8	61.7	70.2	86.1	91.9	94.4	96.2	96.7	97.0	97.7	98.2	98.5	98.5	98.8	99.0
GE 300	45.7	46.8	61.7	70.2	86.1	91.9	94.4	96.2	96.7	97.0	97.7	98.2	98.5	98.5	98.8	99.0
GE 200	45.7	46.8	61.7	70.2	86.1	91.9	94.4	96.2	96.7	97.0	97.7	98.2	98.6	98.6	99.0	99.3
GE 100	45.7	46.8	61.7	70.2	86.1	91.9	94.4	96.2	96.7	97.0	97.7	98.2	98.6	98.6	99.0	100.0
GE 000	45.7	46.8	61.7	70.2	86.1	91.9	94.4	96.2	96.7	97.0	97.7	98.2	98.6	98.6	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 728

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	21.5	21.7	27.9	31.0	36.8	37.2	37.2	37.2	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.6
GE 20000	24.9	25.1	32.5	36.1	42.3	42.7	42.7	42.7	42.8	42.9	42.9	42.9	42.9	42.9	42.9	43.1
GE 18000	25.1	25.4	32.7	36.4	42.5	42.9	42.9	42.9	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.3
GE 16000	25.1	25.4	32.7	36.4	42.7	43.1	43.1	43.1	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.5
GE 14000	25.4	25.7	33.0	36.7	43.1	43.5	43.5	43.5	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.9
GE 12000	25.5	25.8	33.2	36.8	43.5	43.9	43.9	43.9	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.3
GE 10000	27.6	28.0	36.1	39.8	46.7	47.3	47.7	47.7	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.1
GE 9000	28.8	29.3	38.5	42.4	49.5	50.0	50.5	50.5	50.7	50.8	50.8	50.8	50.8	50.8	50.8	51.0
GE 8000	30.7	31.4	41.6	46.1	54.3	54.9	55.4	55.4	55.6	55.8	56.0	56.0	56.0	56.0	56.0	56.1
GE 7000	31.9	32.6	43.1	48.1	56.5	57.3	57.9	57.9	58.0	58.4	58.6	58.6	58.6	58.6	58.6	58.7
GE 6000	32.5	33.2	43.9	48.9	57.3	58.2	58.7	58.7	58.8	59.2	59.4	59.4	59.4	59.4	59.4	59.5
GE 5000	34.2	35.2	46.6	51.6	60.2	61.0	61.7	61.7	61.8	62.2	62.4	62.4	62.4	62.4	62.4	62.5
GE 4500	35.2	36.1	47.7	52.7	61.4	62.2	62.9	62.9	63.0	63.5	63.6	63.6	63.6	63.6	63.6	63.7
GE 4000	39.5	40.6	52.4	58.6	68.3	69.3	70.2	70.2	70.4	70.8	70.9	70.9	70.9	70.9	70.9	71.1
GE 3500	42.5	43.9	56.9	63.2	73.6	74.9	75.8	75.8	76.0	76.4	76.5	76.5	76.5	76.5	76.5	76.6
GE 3000	50.0	51.5	66.8	74.5	86.1	87.5	88.7	88.9	89.0	89.4	89.5	89.5	89.5	89.5	89.5	89.7
GE 2500	51.1	52.6	68.5	76.9	89.0	90.6	92.0	92.1	92.3	92.7	92.8	92.8	92.8	92.8	92.8	92.9
GE 2000	51.6	53.1	69.2	77.6	89.9	91.6	93.1	93.2	93.3	93.8	93.9	93.9	93.9	93.9	93.9	94.0
GE 1800	51.8	53.3	69.3	77.9	90.4	92.0	93.6	93.8	93.9	94.3	94.4	94.4	94.4	94.4	94.4	94.6
GE 1500	52.2	53.7	70.0	78.5	91.6	93.6	95.5	95.7	95.8	96.2	96.3	96.3	96.3	96.3	96.3	96.5
GE 1200	52.2	53.7	70.0	78.9	92.5	94.7	96.7	96.9	97.0	97.6	97.7	97.7	97.7	97.7	97.7	97.8
GE 1000	52.3	53.8	70.1	79.1	93.2	95.7	98.0	98.2	98.4	98.9	99.0	99.2	99.2	99.2	99.2	99.3
GE 900	52.3	53.8	70.1	79.1	93.2	95.7	98.0	98.2	98.5	99.0	99.2	99.3	99.3	99.3	99.3	99.5
GE 800	52.3	53.8	70.1	79.1	93.2	95.7	98.0	98.2	98.5	99.0	99.2	99.3	99.3	99.3	99.3	99.5
GE 700	52.3	53.8	70.1	79.1	93.2	95.7	98.0	98.2	98.6	99.2	99.3	99.5	99.5	99.5	99.5	99.6
GE 600	52.3	53.8	70.1	79.1	93.2	95.7	98.0	98.2	98.6	99.2	99.3	99.5	99.5	99.5	99.5	99.6
GE 500	52.3	53.8	70.1	79.1	93.2	95.7	98.0	98.2	98.6	99.2	99.6	99.7	99.7	99.7	99.7	99.9
GE 400	52.3	53.8	70.1	79.1	93.2	95.7	98.0	98.2	98.6	99.2	99.6	99.9	99.9	99.9	99.9	100.0
GE 300	52.3	53.8	70.1	79.1	93.2	95.7	98.0	98.2	98.6	99.2	99.6	99.9	99.9	99.9	99.9	100.0
GE 200	52.3	53.8	70.1	79.1	93.2	95.7	98.0	98.2	98.6	99.2	99.6	99.9	99.9	99.9	99.9	100.0
GE 100	52.3	53.8	70.1	79.1	93.2	95.7	98.0	98.2	98.6	99.2	99.6	99.9	99.9	99.9	99.9	100.0
GE 000	52.3	53.8	70.1	79.1	93.2	95.7	98.0	98.2	98.6	99.2	99.6	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 736

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	27.6	28.7	32.3	34.4	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
GE 20000	30.9	31.9	36.8	39.4	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
GE 18000	30.9	31.9	36.8	39.4	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 16000	30.9	31.9	36.8	39.5	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
GE 14000	31.0	32.1	36.9	39.6	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
GE 12000	31.4	32.5	37.3	40.1	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
GE 10000	32.9	34.0	39.0	41.8	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 9000	34.4	35.5	40.6	43.6	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 8000	37.3	38.4	44.5	47.8	51.4	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 7000	38.4	39.5	46.0	49.3	52.9	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 6000	38.6	39.6	46.4	49.8	53.7	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 5000	41.4	42.8	49.7	53.0	57.0	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 4500	42.6	44.0	51.0	54.8	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 4000	50.5	52.1	60.5	65.0	69.8	70.4	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 3500	54.9	56.8	66.4	71.2	76.6	77.1	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 3000	66.3	68.5	78.8	84.7	91.6	92.2	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 2500	67.5	69.7	80.5	86.7	93.8	94.5	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 2000	68.2	70.4	81.3	87.7	95.4	96.1	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1800	68.2	70.4	81.3	87.7	95.4	96.1	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1500	68.6	70.8	81.7	88.4	96.5	97.3	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1200	68.6	70.8	81.7	88.4	97.4	98.2	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	68.6	70.8	81.7	88.4	97.7	98.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	68.6	70.8	81.7	88.4	97.7	98.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	68.6	70.8	81.7	88.4	97.7	98.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	68.6	70.8	81.7	88.4	97.7	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	68.6	70.8	81.7	88.4	97.7	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	68.6	70.8	81.7	88.4	97.7	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	68.6	70.8	81.7	88.4	97.7	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	68.6	70.8	81.7	88.4	97.7	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	68.6	70.8	81.7	88.4	97.7	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	68.6	70.8	81.7	88.4	97.7	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	68.6	70.8	81.7	88.4	97.7	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 739

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	29.3	30.1	32.1	33.6	34.5	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
GE 20000	35.0	35.7	39.0	40.8	41.7	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
GE 18000	35.0	35.7	39.0	40.8	41.8	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 16000	35.0	35.7	39.0	40.8	41.8	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 14000	35.0	35.7	39.0	40.8	41.8	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 12000	36.2	36.9	40.2	42.3	43.3	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
GE 10000	37.8	38.5	42.0	44.3	45.4	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
GE 9000	39.9	40.6	44.0	46.4	48.2	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 8000	46.7	47.6	51.5	54.6	56.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 7000	48.8	49.7	53.7	57.0	59.1	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 6000	49.1	50.0	54.0	57.3	59.4	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 5000	53.3	54.3	58.3	61.6	63.8	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 4500	55.1	56.1	60.1	63.4	65.6	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 4000	64.3	65.5	71.3	74.9	77.4	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 3500	68.8	69.9	76.6	80.7	83.6	84.4	84.5	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 3000	76.5	77.8	85.1	89.3	93.2	93.9	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 2500	78.6	79.9	87.2	91.4	95.2	96.0	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 2000	78.7	80.1	87.4	91.5	95.5	96.3	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1800	78.7	80.1	87.4	91.5	95.5	96.3	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1500	78.7	80.1	87.5	92.1	96.3	97.2	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1200	78.7	80.1	87.5	92.3	96.6	97.6	98.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1000	78.7	80.1	87.5	92.3	97.0	98.1	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	78.7	80.1	87.5	92.3	97.0	98.1	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	78.7	80.1	87.5	92.3	97.0	98.1	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	78.7	80.1	87.5	92.3	97.0	98.1	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	78.7	80.1	87.5	92.3	97.0	98.2	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	78.7	80.1	87.5	92.3	97.0	98.2	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	78.7	80.1	87.5	92.3	97.0	98.2	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	78.7	80.1	87.5	92.3	97.0	98.2	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	78.7	80.1	87.5	92.3	97.0	98.2	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	78.7	80.1	87.5	92.3	97.0	98.2	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	78.7	80.1	87.5	92.3	97.0	98.2	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 672

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	38.4	39.2	41.4	42.4	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 20000	43.9	45.2	47.8	49.2	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 18000	43.9	45.2	48.0	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 16000	43.9	45.2	48.0	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 14000	43.9	45.2	48.0	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 12000	44.9	46.2	49.0	50.5	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 10000	46.2	47.7	50.7	52.2	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 9000	47.4	48.8	52.0	53.8	55.1	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 8000	56.1	57.9	61.9	64.6	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 7000	57.6	59.4	63.4	66.1	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 6000	58.1	59.9	63.9	66.7	68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 5000	60.6	62.4	66.7	69.7	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 4500	62.9	64.7	69.2	72.4	74.0	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 4000	68.2	70.2	75.5	78.6	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 3500	73.0	75.0	80.5	83.6	86.8	86.9	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 3000	77.6	79.8	85.6	88.7	92.9	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 2500	78.6	80.8	86.8	89.9	94.9	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 2000	78.6	80.8	86.8	89.9	95.4	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1800	78.6	80.8	86.8	90.1	95.5	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1500	78.6	80.8	86.8	90.1	95.7	96.0	96.4	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5
GE 1200	78.6	80.8	86.8	90.1	96.0	96.5	96.9	97.0	97.0	97.0	97.4	97.4	97.4	97.4	97.4	97.4
GE 1000	78.6	80.8	86.8	90.1	97.0	97.5	98.3	98.8	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3
GE 900	78.6	80.8	86.8	90.1	97.0	97.5	98.3	98.8	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	78.6	80.8	86.8	90.1	97.0	97.5	98.5	99.0	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	78.6	80.8	86.8	90.1	97.0	97.5	98.7	99.2	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	78.6	80.8	86.8	90.1	97.0	97.5	98.7	99.2	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	78.6	80.8	86.8	90.1	97.0	97.5	98.7	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	78.6	80.8	86.8	90.1	97.0	97.5	98.7	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	78.6	80.8	86.8	90.1	97.0	97.5	98.7	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	78.6	80.8	86.8	90.1	97.0	97.5	98.7	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	78.6	80.8	86.8	90.1	97.0	97.5	98.7	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	78.6	80.8	86.8	90.1	97.0	97.5	98.7	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 604

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	41.7	42.7	45.4	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 20000	44.5	45.4	48.2	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 18000	44.5	45.4	48.6	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 16000	44.5	45.4	48.6	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 14000	44.5	45.4	48.6	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 12000	44.5	45.4	48.6	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 10000	46.3	47.2	50.5	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 9000	49.1	50.0	53.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 8000	56.9	57.8	61.0	63.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 7000	57.3	58.3	61.5	63.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 6000	57.8	58.7	62.4	65.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 5000	61.0	61.9	65.6	68.8	71.1	71.1	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 4500	62.4	63.3	67.0	70.6	73.4	73.4	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 4000	68.8	69.7	74.3	78.0	81.7	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 3500	72.9	73.9	79.4	83.0	87.2	87.2	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 3000	76.1	78.0	83.9	88.1	93.1	93.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 2500	76.6	78.4	84.4	88.5	93.6	95.0	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 2000	77.1	78.9	84.9	89.0	94.5	95.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1800	77.1	78.9	84.9	89.0	94.5	95.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1500	77.1	78.9	84.9	89.0	95.0	96.3	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1200	77.1	78.9	84.9	89.0	95.0	96.3	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	77.1	78.9	84.9	89.0	95.4	96.8	98.2	98.2	98.2	98.2	98.2	98.6	98.6	98.6	98.6	98.6
GE 900	77.1	78.9	84.9	89.0	95.4	96.8	98.2	98.2	98.2	98.2	98.2	98.6	98.6	98.6	98.6	98.6
GE 800	77.1	78.9	84.9	89.0	95.4	96.8	98.6	98.6	98.6	98.6	98.6	99.1	99.1	99.1	99.1	99.1
GE 700	77.1	78.9	84.9	89.0	95.4	96.8	98.6	98.6	98.6	98.6	98.6	99.1	99.1	99.1	99.1	99.1
GE 600	77.1	78.9	84.9	89.0	95.4	96.8	98.6	98.6	98.6	98.6	98.6	99.1	99.1	99.1	99.1	99.1
GE 500	77.1	78.9	84.9	89.0	95.4	96.8	98.6	99.1	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0
GE 400	77.1	78.9	84.9	89.0	95.4	96.8	98.6	99.1	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0
GE 300	77.1	78.9	84.9	89.0	95.4	96.8	98.6	99.1	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0
GE 200	77.1	78.9	84.9	89.0	95.4	96.8	98.6	99.1	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0
GE 100	77.1	78.9	84.9	89.0	95.4	96.8	98.6	99.1	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0
GE 000	77.1	78.9	84.9	89.0	95.4	96.8	98.6	99.1	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 218

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	27.2	27.8	31.7	33.8	37.1	37.9	38.0	38.0	38.0	38.1	38.1	38.2	38.2	38.2	38.2	38.4
GE 20000	30.9	31.5	36.4	38.9	42.5	43.4	43.5	43.5	43.6	43.6	43.6	43.7	43.7	43.7	43.7	43.9
GE 18000	31.0	31.6	36.6	39.1	42.8	43.6	43.7	43.8	43.8	43.8	43.9	43.9	43.9	43.9	44.0	44.1
GE 16000	31.0	31.6	36.6	39.1	42.8	43.7	43.8	43.8	43.9	43.9	43.9	44.0	44.0	44.0	44.1	44.2
GE 14000	31.2	31.8	36.8	39.3	43.0	43.9	44.0	44.0	44.1	44.1	44.1	44.2	44.2	44.2	44.3	44.4
GE 12000	31.7	32.4	37.4	39.9	43.8	44.6	44.7	44.8	44.8	44.9	44.9	45.0	45.0	45.0	45.0	45.1
GE 10000	33.3	34.0	39.4	42.0	46.1	47.0	47.2	47.3	47.4	47.4	47.5	47.6	47.6	47.6	47.6	47.7
GE 9000	34.6	35.4	41.1	44.0	48.5	49.4	49.7	49.8	49.8	49.9	49.9	50.0	50.0	50.0	50.1	50.2
GE 8000	39.4	40.3	46.8	50.3	55.5	56.6	56.9	57.0	57.1	57.2	57.3	57.4	57.4	57.4	57.4	57.6
GE 7000	40.9	41.8	48.6	52.4	57.7	58.8	59.1	59.3	59.3	59.4	59.5	59.6	59.6	59.6	59.7	59.8
GE 6000	41.3	42.2	49.1	53.0	58.4	59.5	59.8	60.0	60.1	60.2	60.3	60.4	60.4	60.4	60.5	60.6
GE 5000	43.7	44.8	52.1	56.1	61.6	62.8	63.2	63.5	63.5	63.6	63.7	63.8	63.9	63.9	63.9	64.1
GE 4500	45.5	46.6	54.0	58.1	63.8	65.0	65.4	65.7	65.7	65.8	65.9	66.1	66.1	66.1	66.1	66.3
GE 4000	51.9	53.2	61.6	66.5	73.2	74.5	75.0	75.4	75.5	75.6	75.7	75.8	75.8	75.8	75.9	76.0
GE 3500	55.4	56.8	66.2	71.3	78.7	80.1	80.9	81.4	81.5	81.6	81.7	81.8	81.8	81.8	81.9	82.0
GE 3000	61.8	63.4	73.8	79.6	88.1	89.7	90.8	91.3	91.3	91.4	91.5	91.6	91.7	91.7	91.7	91.9
GE 2500	63.0	64.6	75.2	81.3	90.1	92.1	93.1	93.6	93.7	93.9	94.0	94.1	94.1	94.1	94.1	94.3
GE 2000	63.4	65.0	75.8	81.9	91.2	93.2	94.2	94.8	94.9	95.0	95.1	95.2	95.3	95.3	95.3	95.5
GE 1800	63.4	65.0	76.0	82.1	91.4	93.4	94.5	95.1	95.2	95.3	95.4	95.5	95.5	95.5	95.6	95.7
GE 1500	63.6	65.2	76.4	82.7	92.4	94.6	95.9	96.5	96.6	96.8	96.9	97.0	97.0	97.0	97.1	97.2
GE 1200	63.6	65.2	76.4	82.8	93.0	95.3	96.6	97.3	97.4	97.6	97.8	97.9	97.9	97.9	98.0	98.1
GE 1000	63.6	65.2	76.4	82.8	93.4	95.8	97.5	98.3	98.4	98.6	98.8	99.0	99.0	99.0	99.1	99.2
GE 900	63.6	65.2	76.4	82.8	93.4	95.8	97.5	98.3	98.5	98.6	98.9	99.0	99.1	99.1	99.1	99.3
GE 800	63.6	65.2	76.4	82.8	93.4	95.8	97.5	98.4	98.6	98.7	99.0	99.2	99.2	99.2	99.3	99.4
GE 700	63.6	65.2	76.4	82.8	93.4	95.8	97.6	98.5	98.7	98.8	99.1	99.3	99.3	99.3	99.4	99.5
GE 600	63.6	65.2	76.4	82.8	93.4	95.9	97.6	98.5	98.7	98.9	99.1	99.3	99.3	99.3	99.4	99.5
GE 500	63.6	65.2	76.4	82.8	93.4	95.9	97.6	98.5	98.8	99.0	99.3	99.4	99.5	99.5	99.5	99.7
GE 400	63.6	65.2	76.4	82.8	93.4	95.9	97.6	98.5	98.8	99.0	99.3	99.5	99.5	99.5	99.6	99.7
GE 300	63.6	65.2	76.4	82.8	93.4	95.9	97.6	98.5	98.8	99.0	99.3	99.5	99.5	99.5	99.6	99.7
GE 200	63.6	65.2	76.4	82.8	93.4	95.9	97.6	98.5	98.8	99.0	99.3	99.5	99.6	99.6	99.6	99.8
GE 100	63.6	65.2	76.4	82.8	93.4	95.9	97.6	98.5	98.8	99.0	99.3	99.5	99.6	99.6	99.6	100.0
GE 000	63.6	65.2	76.4	82.8	93.4	95.9	97.6	98.6	98.8	99.0	99.3	99.5	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 3903

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	20.4	21.4	23.8	26.7	36.4	37.4	38.3	39.3	40.3	40.8	41.7	41.7	41.7	41.7	41.7	41.7
GE 20000	21.8	23.3	25.7	28.6	39.3	40.3	41.3	42.2	43.2	43.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 18000	21.8	23.3	25.7	28.6	39.3	40.3	41.3	42.2	43.2	43.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 16000	21.8	23.3	25.7	28.6	39.3	40.3	41.3	42.2	43.2	43.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 14000	21.8	23.3	25.7	28.6	39.3	40.3	41.3	42.2	43.2	43.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 12000	21.8	23.3	25.7	28.6	39.3	40.3	41.3	42.2	43.2	43.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 10000	24.8	26.2	29.6	33.0	44.2	45.1	46.1	47.1	48.1	48.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 9000	25.2	26.7	30.1	33.5	44.7	45.6	46.6	47.6	48.5	49.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 8000	27.7	29.1	34.0	38.3	51.0	51.9	52.9	53.9	54.9	55.8	56.8	56.8	57.3	57.3	57.3	57.3
GE 7000	30.6	32.0	37.9	42.2	55.3	56.3	57.3	58.3	59.2	60.2	61.2	61.2	61.7	61.7	61.7	61.7
GE 6000	30.6	32.0	38.3	42.7	55.8	56.8	57.8	58.7	59.7	60.7	61.7	61.7	62.1	62.1	62.1	62.1
GE 5000	35.9	37.4	43.7	49.5	63.1	64.6	65.5	66.5	67.5	68.4	69.4	69.4	69.9	69.9	69.9	69.9
GE 4500	36.4	37.9	44.2	50.0	64.1	65.5	66.5	67.5	68.4	69.4	70.4	70.4	70.9	70.9	70.9	70.9
GE 4000	40.8	42.2	49.0	56.3	73.8	75.7	76.7	77.7	78.6	79.6	80.6	80.6	81.1	81.1	81.1	81.1
GE 3500	42.2	43.7	51.5	60.2	78.2	80.1	81.1	82.0	83.0	84.0	85.0	85.0	85.4	85.4	85.4	85.4
GE 3000	45.6	47.1	56.8	66.0	84.0	86.4	87.4	88.3	89.3	90.8	91.7	92.2	92.7	92.7	92.7	92.7
GE 2500	46.6	48.1	58.7	68.0	85.9	88.3	89.3	90.3	91.3	93.2	94.2	94.7	95.1	95.1	95.1	95.1
GE 2000	47.1	48.5	59.7	69.4	87.4	89.8	90.8	92.2	93.2	95.1	96.1	96.6	97.1	97.1	97.1	97.1
GE 1800	47.1	48.5	59.7	69.4	87.4	89.8	90.8	92.2	93.2	95.1	96.1	96.6	97.1	97.1	97.1	97.1
GE 1500	47.6	49.0	60.2	69.9	87.9	90.3	91.7	93.2	94.2	96.1	97.1	97.6	98.1	98.1	98.1	98.1
GE 1200	47.6	49.0	60.2	69.9	88.3	90.8	92.2	93.7	94.7	96.6	97.6	98.1	98.5	98.5	98.5	98.5
GE 1000	47.6	49.0	60.2	69.9	88.8	91.3	92.7	94.2	95.1	97.1	98.1	98.5	99.0	99.0	99.0	99.0
GE 900	47.6	49.0	60.2	69.9	88.8	91.3	92.7	94.2	95.1	97.1	98.1	98.5	99.0	99.0	99.0	99.0
GE 800	47.6	49.0	60.2	69.9	88.8	91.3	92.7	94.2	95.1	97.1	98.1	98.5	99.0	99.0	99.0	99.0
GE 700	47.6	49.0	60.2	69.9	88.8	91.3	92.7	94.2	95.1	97.1	98.1	98.5	99.0	99.0	99.0	99.0
GE 600	47.6	49.0	60.2	69.9	88.8	91.3	92.7	94.2	95.1	97.1	98.1	98.5	99.0	99.0	99.0	99.0
GE 500	47.6	49.0	60.2	69.9	88.8	91.3	92.7	94.2	95.1	97.1	98.1	98.5	99.0	99.0	99.0	99.0
GE 400	47.6	49.0	60.2	69.9	88.8	91.3	92.7	94.2	95.1	97.1	98.1	98.5	99.0	99.0	99.0	99.5
GE 300	47.6	49.0	60.2	69.9	88.8	91.3	92.7	94.2	95.1	97.1	98.1	98.5	99.0	99.0	99.0	99.5
GE 200	47.6	49.0	60.2	69.9	88.8	91.3	92.7	94.2	95.1	97.1	98.1	98.5	99.0	99.0	99.0	99.5
GE 100	47.6	49.0	60.2	69.9	88.8	91.3	92.7	94.2	95.1	97.1	98.1	98.5	99.0	99.0	99.0	100.0
GE 000	47.6	49.0	60.2	69.9	88.8	91.3	92.7	94.2	95.1	97.1	98.1	98.5	99.0	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 206

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	23.2	23.6	28.4	31.6	38.3	39.3	40.0	41.2	42.1	42.5	42.6	42.6	42.6	42.6	42.6	42.6
GE 20000	25.2	25.7	31.0	34.3	42.2	43.3	44.0	45.2	46.1	46.5	46.6	46.6	46.6	46.6	46.8	46.8
GE 18000	25.2	25.7	31.0	34.3	42.2	43.3	44.0	45.2	46.1	46.5	46.6	46.6	46.6	46.6	46.8	46.8
GE 16000	25.2	25.7	31.0	34.3	42.2	43.3	44.0	45.2	46.1	46.5	46.6	46.6	46.6	46.6	46.8	46.8
GE 14000	25.7	26.1	31.4	34.8	42.6	43.7	44.4	45.7	46.5	46.9	47.0	47.0	47.0	47.0	47.2	47.2
GE 12000	25.8	26.2	31.7	35.0	42.9	44.0	44.7	45.9	46.8	47.2	47.3	47.3	47.3	47.3	47.4	47.4
GE 10000	29.5	30.1	36.1	40.1	48.8	50.1	50.8	52.0	53.1	53.5	53.7	53.7	53.7	53.7	53.8	53.8
GE 9000	30.5	31.0	37.5	41.5	50.3	51.6	52.3	53.5	54.6	55.0	55.2	55.2	55.2	55.2	55.3	55.3
GE 8000	34.2	34.8	42.8	47.9	59.0	60.7	61.4	62.6	63.7	64.3	64.4	64.4	64.4	64.4	64.6	64.6
GE 7000	35.4	36.0	44.3	49.4	61.0	62.6	63.4	64.7	65.8	66.3	66.5	66.5	66.5	66.5	66.6	66.6
GE 6000	36.0	36.6	45.4	50.5	62.1	63.7	64.6	65.8	66.9	67.4	67.6	67.6	67.6	67.6	67.7	67.7
GE 5000	37.8	38.5	47.6	53.7	66.3	68.1	69.0	70.2	71.3	71.9	72.0	72.0	72.0	72.0	72.1	72.1
GE 4500	39.0	39.7	49.2	55.9	68.8	70.8	71.7	73.0	74.1	74.6	74.8	74.8	74.8	74.8	74.9	74.9
GE 4000	42.1	42.9	53.9	62.1	76.0	78.1	79.0	80.4	81.5	82.1	82.2	82.2	82.2	82.2	82.3	82.3
GE 3500	43.3	44.1	55.6	63.9	78.6	80.8	82.1	83.4	84.6	85.1	85.2	85.2	85.2	85.2	85.4	85.4
GE 3000	47.2	48.0	60.4	69.2	84.7	87.3	88.6	90.1	91.2	91.7	92.0	92.1	92.1	92.1	92.3	92.3
GE 2500	47.6	48.4	61.2	70.5	86.1	88.7	89.9	91.4	92.6	93.2	93.5	93.8	93.8	93.8	93.9	93.9
GE 2000	48.3	49.1	61.9	71.4	87.6	90.2	91.4	93.5	94.6	95.3	95.6	95.9	95.9	95.9	96.0	96.0
GE 1800	48.3	49.1	62.1	71.6	88.1	90.8	92.0	94.1	95.2	95.9	96.1	96.4	96.4	96.4	96.6	96.6
GE 1500	48.8	49.7	62.8	72.4	89.1	91.9	93.2	95.3	96.4	97.1	97.4	97.7	97.7	97.7	97.8	97.8
GE 1200	49.1	49.9	63.0	72.7	89.7	92.4	93.8	95.9	97.0	97.7	97.9	98.2	98.2	98.2	98.3	98.3
GE 1000	49.2	50.1	63.2	72.8	89.9	92.7	94.1	96.1	97.2	97.9	98.2	98.5	98.5	98.5	98.6	98.6
GE 900	49.2	50.1	63.2	72.8	89.9	92.7	94.1	96.1	97.4	98.1	98.3	98.6	98.6	98.6	98.8	98.8
GE 800	49.2	50.1	63.2	73.0	90.3	93.1	94.5	96.6	97.8	98.5	98.8	99.0	99.0	99.0	99.2	99.2
GE 700	49.2	50.1	63.2	73.0	90.3	93.1	94.5	96.7	97.9	98.6	98.9	99.2	99.2	99.2	99.3	99.3
GE 600	49.2	50.1	63.2	73.0	90.3	93.1	94.5	96.7	97.9	98.6	98.9	99.2	99.2	99.2	99.3	99.3
GE 500	49.2	50.1	63.2	73.0	90.3	93.1	94.5	96.7	97.9	98.6	98.9	99.2	99.2	99.2	99.3	99.3
GE 400	49.2	50.1	63.2	73.0	90.3	93.1	94.5	96.7	97.9	98.6	98.9	99.2	99.2	99.2	99.4	99.4
GE 300	49.2	50.1	63.2	73.0	90.3	93.1	94.5	96.7	97.9	98.6	98.9	99.2	99.3	99.3	99.6	99.6
GE 200	49.2	50.1	63.2	73.0	90.3	93.1	94.5	96.7	97.9	98.6	98.9	99.2	99.3	99.3	99.6	99.6
GE 100	49.2	50.1	63.2	73.0	90.3	93.1	94.5	96.7	97.9	98.6	98.9	99.2	99.3	99.3	99.6	100.0
GE 000	49.2	50.1	63.2	73.0	90.3	93.1	94.5	96.7	97.9	98.6	98.9	99.2	99.3	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 725

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	25.6	26.0	31.1	33.4	38.7	39.8	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
GE 20000	28.4	28.8	34.4	37.1	43.1	44.2	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 18000	28.8	29.2	34.8	37.5	43.5	44.6	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 16000	28.8	29.2	34.8	37.5	43.5	44.6	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 14000	28.8	29.2	34.8	37.5	43.5	44.6	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 12000	29.2	29.6	35.2	37.9	44.1	45.1	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 10000	30.9	31.3	37.2	40.4	47.2	48.2	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 9000	32.3	32.7	39.2	42.6	49.5	50.5	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
GE 8000	36.1	36.5	44.5	49.1	56.5	58.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 7000	37.1	37.6	45.8	50.4	58.0	59.4	60.5	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 6000	37.3	37.9	46.5	51.2	58.8	60.2	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 5000	38.7	39.2	48.5	54.3	62.5	64.0	65.1	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 4500	39.9	40.4	50.0	55.8	64.4	66.0	67.1	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 4000	44.5	45.3	56.3	62.9	72.0	73.9	74.9	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 3500	49.2	50.1	61.3	67.9	77.1	79.0	80.3	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 3000	55.1	56.2	68.9	76.1	86.4	88.4	89.9	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 2500	57.4	58.5	71.4	79.0	89.5	91.5	93.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 2000	58.2	59.3	72.4	80.2	91.2	93.3	94.7	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 1800	58.5	59.6	72.6	80.5	91.5	93.5	95.0	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1500	58.5	59.7	72.8	80.6	92.0	94.2	95.8	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1200	58.8	60.0	73.0	80.9	92.7	94.9	96.5	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	58.8	60.0	73.0	81.1	93.4	95.6	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 900	58.8	60.0	73.0	81.1	93.4	95.6	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	58.8	60.0	73.0	81.1	93.5	95.7	97.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	58.8	60.0	73.0	81.1	93.5	95.7	97.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	58.8	60.0	73.0	81.1	93.5	95.7	97.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	58.8	60.0	73.0	81.1	93.5	95.7	97.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	58.8	60.0	73.0	81.1	93.5	95.7	97.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	58.8	60.0	73.0	81.1	93.5	95.7	97.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	58.8	60.0	73.0	81.1	93.5	95.7	97.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	58.8	60.0	73.0	81.1	93.5	95.7	97.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	58.8	60.0	73.0	81.1	93.5	95.7	97.4	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 742

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280 STATION NAME: COLEMAN AAF/MANNHEIM DL PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: - 1 MONTH: JUN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	24.9	25.6	30.0	32.2	33.8	33.9	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
GE 20000	30.2	30.9	35.8	38.4	40.5	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
GE 18000	30.5	31.2	36.2	38.8	40.9	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
GE 16000	30.5	31.2	36.2	38.8	40.9	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
GE 14000	30.5	31.2	36.2	38.8	40.9	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
GE 12000	31.1	31.7	36.8	39.4	41.6	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
GE 10000	33.1	33.8	39.2	41.8	44.6	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 9000	34.3	35.1	41.0	43.6	46.3	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 8000	38.1	39.0	45.8	49.0	52.0	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 7000	39.2	40.1	47.0	50.3	53.3	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 6000	39.5	40.3	47.3	50.5	53.5	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 5000	41.7	42.5	50.5	54.2	57.6	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 4500	43.1	44.0	52.3	56.0	59.7	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 4000	49.9	50.8	59.7	65.0	68.7	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 3500	58.0	59.4	69.2	74.9	79.3	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 3000	66.9	68.5	79.6	85.6	91.1	91.8	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.5
GE 2500	68.4	70.2	81.3	87.6	93.2	94.0	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.8
GE 2000	69.5	71.3	83.0	89.4	95.5	96.3	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.3
GE 1800	69.5	71.3	83.0	89.4	95.5	96.5	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4
GE 1500	69.9	71.8	83.5	89.9	96.2	97.5	98.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9
GE 1200	69.9	71.8	83.5	90.1	96.6	98.0	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.5
GE 1000	69.9	71.8	83.5	90.1	96.7	98.1	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6
GE 900	69.9	71.8	83.5	90.1	96.7	98.1	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6
GE 800	69.9	71.8	83.5	90.1	96.7	98.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 700	69.9	71.8	83.5	90.1	96.7	98.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 600	69.9	71.8	83.5	90.1	96.7	98.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 500	69.9	71.8	83.5	90.1	96.7	98.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 400	69.9	71.8	83.5	90.1	96.7	98.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 300	69.9	71.8	83.5	90.1	96.7	98.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 200	69.9	71.8	83.5	90.1	96.7	98.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 100	69.9	71.8	83.5	90.1	96.7	98.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 000	69.9	71.8	83.5	90.1	96.7	98.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 734

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	29.3	30.5	35.0	36.5	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
GE 20000	36.1	37.2	42.2	43.8	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 18000	36.2	37.4	42.5	44.1	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
GE 16000	36.2	37.4	42.5	44.1	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
GE 14000	36.2	37.4	42.5	44.1	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
GE 12000	36.5	37.7	42.8	44.4	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 10000	40.0	41.2	46.7	48.3	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 9000	41.5	42.8	48	50.1	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
GE 8000	47.3	48.6	54.	6.4	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 7000	50.4	51.7	58.1	.9	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 6000	50.8	52.1	58.7	4	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 5000	54.6	56.1	63.5	65.5	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 4500	56.2	57.8	65.5	67.6	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 4000	64.1	65.7	73.7	76.2	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 3500	70.2	72.0	80.4	83.4	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 3000	77.8	79.6	88.8	92.4	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 2500	78.5	80.3	89.5	93.3	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 2000	79.0	80.7	89.9	93.9	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1800	79.0	80.7	89.9	93.9	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1500	79.0	80.9	90.1	94.2	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	79.0	80.9	90.1	94.2	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	79.0	80.9	90.1	94.2	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	79.0	80.9	90.1	94.2	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	79.0	80.9	90.1	94.2	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	79.0	80.9	90.1	94.2	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	79.0	80.9	90.1	94.2	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	79.0	80.9	90.1	94.2	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	79.0	80.9	90.1	94.2	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	79.0	80.9	90.1	94.2	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	79.0	80.9	90.1	94.2	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	79.0	80.9	90.1	94.2	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	79.0	80.9	90.1	94.2	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 685

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	33.3	34.1	37.3	38.5	39.3	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
GE 20000	39.8	40.6	44.8	46.2	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 18000	39.8	40.6	44.8	46.2	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 16000	39.8	40.6	44.8	46.2	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 14000	39.8	40.6	44.8	46.2	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 12000	39.9	40.7	45.0	46.4	47.5	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 10000	44.3	45.1	49.7	51.1	52.2	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 9000	46.1	46.9	51.7	53.1	54.2	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 8000	53.9	54.9	60.2	61.8	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.7	63.7	63.7	63.7	63.7
GE 7000	57.5	58.5	64.0	65.9	67.1	67.6	67.6	67.6	67.6	67.6	67.6	67.8	67.8	67.8	67.8	67.8
GE 6000	58.3	59.3	64.8	66.7	67.9	68.4	68.4	68.4	68.4	68.4	68.4	68.6	68.6	68.6	68.6	68.6
GE 5000	61.0	62.1	68.4	70.8	72.5	73.0	73.0	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1
GE 4500	63.2	64.3	70.9	73.3	75.3	75.8	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9
GE 4000	70.1	71.4	78.0	81.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.9	84.9	84.9	84.9	84.9
GE 3500	73.6	75.0	82.1	85.2	88.5	89.3	89.3	89.3	89.3	89.3	89.3	89.5	89.5	89.5	89.5	89.5
GE 3000	78.3	79.7	88.1	92.1	96.1	97.3	97.3	97.3	97.3	97.3	97.5	97.6	97.6	97.6	97.6	97.6
GE 2500	78.9	80.3	88.7	93.2	97.3	98.6	98.6	98.6	98.6	98.6	98.7	98.9	98.9	98.9	98.9	98.9
GE 2000	79.6	81.0	89.3	94.0	98.3	99.5	99.5	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0
GE 1800	79.6	81.0	89.3	94.0	98.3	99.5	99.5	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0
GE 1500	79.6	81.0	89.3	94.0	98.3	99.5	99.5	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0
GE 1200	79.6	81.0	89.3	94.0	98.3	99.5	99.5	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0
GE 1000	79.6	81.0	89.3	94.0	98.3	99.5	99.5	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0
GE 900	79.6	81.0	89.3	94.0	98.3	99.5	99.5	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0
GE 800	79.6	81.0	89.3	94.0	98.3	99.5	99.5	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0
GE 700	79.6	81.0	89.3	94.0	98.3	99.5	99.5	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0
GE 600	79.6	81.0	89.3	94.0	98.3	99.5	99.5	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0
GE 500	79.6	81.0	89.3	94.0	98.3	99.5	99.5	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0
GE 400	79.6	81.0	89.3	94.0	98.3	99.5	99.5	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0
GE 300	79.6	81.0	89.3	94.0	98.3	99.5	99.5	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0
GE 200	79.6	81.0	89.3	94.0	98.3	99.5	99.5	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0
GE 100	79.6	81.0	89.3	94.0	98.3	99.5	99.5	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0
GE 000	79.6	81.0	89.3	94.0	98.3	99.5	99.5	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 636

OPERATING LOCATION "A"
USAFETAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	32.9	33.3	37.9	39.9	43.2	43.2	43.6	43.6	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
GE 20000	35.4	35.8	40.7	42.8	46.5	46.5	46.9	46.9	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 18000	35.4	35.8	40.7	42.8	46.5	46.5	46.9	46.9	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 16000	35.4	35.8	40.7	42.8	46.5	46.5	46.9	46.9	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 14000	35.4	35.8	40.7	42.8	46.5	46.5	46.9	46.9	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 12000	36.2	36.6	41.6	43.6	47.3	47.3	47.7	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 10000	40.7	41.2	46.1	48.1	52.7	52.7	53.1	53.1	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 9000	41.6	42.0	47.3	49.4	53.9	53.9	54.3	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 8000	47.7	48.6	55.1	57.2	62.1	62.1	62.6	62.6	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 7000	51.4	52.7	59.3	61.3	66.3	66.3	66.7	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 6000	51.9	53.1	59.7	61.7	66.7	66.7	67.1	67.1	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 5000	56.0	57.2	63.8	65.8	71.6	71.6	72.0	72.0	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 4500	57.6	58.8	65.8	67.9	74.1	74.1	74.5	74.5	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 4000	66.7	67.9	75.3	78.6	85.2	85.2	86.0	86.0	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 3500	70.8	72.0	79.4	82.7	89.7	89.7	90.9	90.9	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 3000	74.1	75.3	82.7	86.0	94.2	94.2	95.5	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 2500	74.5	75.7	83.5	86.8	95.9	95.9	97.1	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 2000	75.3	76.5	84.8	88.1	97.1	97.1	98.4	98.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	75.3	76.5	84.8	88.1	97.1	97.1	98.4	98.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	75.3	76.5	84.8	88.1	97.1	97.1	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	75.3	76.5	84.8	88.1	97.1	97.1	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	75.3	76.5	84.8	88.1	97.1	97.1	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	75.3	76.5	84.8	88.1	97.1	97.1	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	75.3	76.5	84.8	88.1	97.1	97.1	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	75.3	76.5	84.8	88.1	97.1	97.1	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	75.3	76.5	84.8	88.1	97.1	97.1	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	75.3	76.5	84.8	88.1	97.1	97.1	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	75.3	76.5	84.8	88.1	97.1	97.1	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	75.3	76.5	84.8	88.1	97.1	97.1	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	75.3	76.5	84.8	88.1	97.1	97.1	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	75.3	76.5	84.8	88.1	97.1	97.1	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	75.3	76.5	84.8	88.1	97.1	97.1	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 243

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	27.1	27.8	32.1	34.2	37.6	38.2	38.5	38.8	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2
GE 20000	31.4	32.1	37.0	39.4	43.3	43.9	44.2	44.5	44.8	44.9	45.0	45.0	45.0	45.0	45.0	45.0
GE 18000	31.6	32.3	37.2	39.6	43.5	44.1	44.4	44.7	45.0	45.1	45.2	45.2	45.2	45.2	45.2	45.2
GE 16000	31.6	32.3	37.2	39.6	43.5	44.1	44.4	44.7	45.0	45.1	45.2	45.2	45.2	45.2	45.2	45.2
GE 14000	31.6	32.3	37.3	39.6	43.6	44.1	44.5	44.8	45.1	45.2	45.2	45.2	45.2	45.2	45.3	45.3
GE 12000	32.0	32.7	37.6	40.0	44.0	44.5	44.9	45.2	45.5	45.6	45.6	45.6	45.6	45.6	45.7	45.7
GE 10000	35.1	35.8	41.2	43.8	48.2	48.8	49.2	49.5	49.8	49.9	50.0	50.0	50.0	50.0	50.0	50.0
GE 9000	36.3	37.1	42.9	45.5	50.0	50.6	51.0	51.3	51.5	51.6	51.7	51.7	51.7	51.7	51.8	51.8
GE 8000	41.2	42.0	48.8	52.1	57.3	58.0	58.5	58.8	59.1	59.3	59.3	59.4	59.4	59.4	59.4	59.4
GE 7000	43.3	44.2	51.2	54.5	59.9	60.7	61.1	61.5	61.7	61.9	62.0	62.0	62.0	62.0	62.0	62.0
GE 6000	43.7	44.6	51.9	55.2	60.6	61.3	61.8	62.2	62.4	62.6	62.7	62.7	62.7	62.7	62.7	62.7
GE 5000	46.3	47.3	55.2	59.2	65.3	66.1	66.5	66.9	67.2	67.3	67.4	67.4	67.4	67.4	67.5	67.5
GE 4500	47.8	48.8	57.0	61.1	67.5	68.3	68.8	69.2	69.4	69.6	69.7	69.7	69.7	69.7	69.7	69.7
GE 4000	53.7	54.8	63.8	68.9	76.2	77.2	77.7	78.1	78.4	78.6	78.6	78.7	78.7	78.7	78.7	78.7
GE 3500	58.2	59.5	68.9	74.4	82.1	83.3	83.9	84.4	84.6	84.8	84.9	84.9	84.9	84.9	84.9	84.9
GE 3000	64.1	65.5	76.0	82.1	90.6	92.0	92.7	93.3	93.5	93.7	93.8	93.9	93.9	93.9	94.0	94.0
GE 2500	65.2	66.6	77.4	83.7	92.5	93.9	94.6	95.2	95.5	95.7	95.8	95.9	96.0	96.0	96.0	96.0
GE 2000	66.0	67.3	78.3	84.8	94.0	95.4	96.1	97.0	97.3	97.5	97.6	97.7	97.8	97.8	97.8	97.8
GE 1800	66.0	67.4	78.3	84.9	94.1	95.5	96.3	97.2	97.5	97.7	97.8	97.9	97.9	97.9	98.0	98.0
GE 1500	66.2	67.6	78.6	85.2	94.6	96.2	97.1	98.0	98.3	98.6	98.7	98.8	98.8	98.8	98.8	98.9
GE 1200	66.3	67.7	78.7	85.3	94.9	96.5	97.4	98.4	98.7	98.9	99.0	99.1	99.2	99.2	99.2	99.2
GE 1000	66.3	67.8	78.8	85.4	95.2	96.7	97.7	98.7	99.0	99.2	99.3	99.4	99.4	99.4	99.5	99.5
GE 900	66.3	67.8	78.8	85.4	95.2	96.7	97.7	98.7	99.0	99.2	99.3	99.4	99.5	99.5	99.5	99.5
GE 800	66.3	67.8	78.8	85.4	95.3	96.8	97.8	98.9	99.2	99.4	99.5	99.6	99.7	99.7	99.7	99.7
GE 700	66.3	67.8	78.8	85.4	95.3	96.8	97.8	98.9	99.2	99.4	99.6	99.7	99.7	99.7	99.7	99.7
GE 600	66.3	67.8	78.8	85.4	95.3	96.8	97.8	98.9	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.8
GE 500	66.3	67.8	78.8	85.4	95.3	96.8	97.8	98.9	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.8
GE 400	66.3	67.8	78.8	85.4	95.3	96.8	97.8	98.9	99.2	99.5	99.6	99.7	99.7	99.7	99.8	99.8
GE 300	66.3	67.8	78.8	85.4	95.3	96.8	97.8	98.9	99.2	99.5	99.6	99.7	99.8	99.8	99.8	99.9
GE 200	66.3	67.8	78.8	85.4	95.3	96.8	97.8	98.9	99.2	99.5	99.6	99.7	99.8	99.8	99.8	99.9
GE 100	66.3	67.8	78.8	85.4	95.3	96.8	97.8	98.9	99.2	99.5	99.6	99.7	99.8	99.8	99.8	100.0
GE 000	66.3	67.8	78.8	85.4	95.3	96.8	97.8	98.9	99.2	99.5	99.6	99.7	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 3971

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	27.9	28.8	36.5	39.9	49.0	51.4	53.4	53.8	53.8	53.8	53.8	54.3	54.3	54.3	54.3	54.8
GE 20000	29.8	30.8	38.9	42.8	51.9	54.3	56.3	56.7	56.7	56.7	56.7	57.2	57.2	57.2	57.2	57.7
GE 18000	29.8	30.8	38.9	42.8	51.9	54.3	56.3	56.7	56.7	56.7	56.7	57.2	57.2	57.2	57.2	57.7
GE 16000	29.8	30.8	38.9	42.8	51.9	54.3	56.3	56.7	56.7	56.7	56.7	57.2	57.2	57.2	57.2	57.7
GE 14000	29.8	30.8	38.9	42.8	51.9	54.3	56.3	56.7	56.7	56.7	56.7	57.2	57.2	57.2	57.2	57.7
GE 12000	30.3	31.3	39.4	43.3	52.9	55.3	57.2	57.7	57.7	57.7	57.7	58.2	58.2	58.2	58.2	58.7
GE 10000	32.2	33.2	41.8	45.7	55.8	59.1	61.1	62.0	62.0	62.0	62.0	62.5	62.5	62.5	62.5	63.0
GE 9000	32.7	34.1	43.8	48.1	58.2	62.0	63.9	64.9	64.9	64.9	64.9	65.4	65.4	65.4	65.4	65.9
GE 8000	36.1	37.5	47.6	52.9	63.5	67.8	69.7	70.7	70.7	70.7	70.7	71.2	71.2	71.2	71.2	71.6
GE 7000	36.5	38.0	48.6	53.8	64.9	69.2	71.2	72.1	72.1	72.1	72.1	72.6	72.6	72.6	72.6	73.1
GE 6000	36.5	38.0	48.6	53.8	64.9	69.2	71.2	72.1	72.1	72.1	72.1	72.6	72.6	72.6	72.6	73.1
GE 5000	38.5	39.9	51.4	56.7	68.3	73.1	75.0	76.0	76.0	76.0	76.0	76.4	76.4	76.4	76.4	76.9
GE 4500	40.9	42.3	55.3	60.6	73.6	78.4	80.3	81.3	81.3	81.3	81.3	81.7	81.7	81.7	81.7	82.2
GE 4000	45.2	46.6	62.0	68.3	81.3	86.1	88.5	89.4	89.4	89.4	89.4	89.9	89.9	89.9	89.9	90.4
GE 3500	46.6	48.1	63.5	69.7	84.1	89.4	91.8	92.8	92.8	92.8	92.8	93.3	93.3	93.3	93.3	93.8
GE 3000	47.6	49.5	65.4	72.1	88.0	93.8	96.2	97.1	97.1	97.1	97.1	97.6	97.6	97.6	97.6	98.1
GE 2500	48.1	50.0	66.3	73.1	88.9	94.7	97.1	98.1	98.1	98.1	98.1	98.6	98.6	98.6	98.6	99.0
GE 2000	48.1	50.0	66.3	73.1	88.9	94.7	97.1	98.1	98.1	98.1	98.1	98.6	98.6	98.6	98.6	99.0
GE 1800	48.1	50.0	66.3	73.1	88.9	94.7	97.1	98.1	98.1	98.1	98.1	98.6	98.6	98.6	98.6	99.0
GE 1500	48.1	50.0	66.3	73.1	88.9	94.7	97.1	98.1	98.1	98.1	98.1	98.6	98.6	98.6	98.6	99.0
GE 1200	48.1	50.0	66.3	73.1	88.9	94.7	97.1	98.1	98.1	98.1	98.1	98.6	98.6	98.6	98.6	99.0
GE 1000	48.1	50.0	66.3	73.1	88.9	94.7	97.1	98.1	98.1	98.1	98.1	98.6	98.6	98.6	98.6	99.0
GE 900	48.1	50.0	66.3	73.1	88.9	94.7	97.1	98.1	98.1	98.1	98.1	98.6	98.6	98.6	98.6	99.0
GE 800	48.1	50.0	66.3	73.1	88.9	94.7	97.1	98.1	98.1	98.1	98.1	98.6	98.6	98.6	98.6	99.0
GE 700	48.1	50.0	66.3	73.1	88.9	94.7	97.1	98.1	98.1	98.1	98.1	98.6	98.6	98.6	98.6	99.0
GE 600	48.1	50.0	66.3	73.1	88.9	94.7	97.1	98.1	98.1	98.1	98.1	98.6	98.6	98.6	98.6	99.0
GE 500	48.1	50.0	66.3	73.1	88.9	94.7	97.1	98.1	98.1	98.1	98.1	98.6	98.6	98.6	98.6	99.0
GE 400	48.1	50.0	66.3	73.1	88.9	94.7	97.1	98.6	98.6	98.6	98.6	99.0	99.0	99.0	99.0	99.5
GE 300	48.1	50.0	66.3	73.1	88.9	94.7	97.1	98.6	98.6	98.6	98.6	99.0	99.0	99.0	99.0	99.5
GE 200	48.1	50.0	66.3	73.1	88.9	94.7	97.1	98.6	98.6	98.6	98.6	99.0	99.0	99.0	99.0	99.5
GE 100	48.1	50.0	66.3	73.1	88.9	94.7	97.1	98.6	98.6	98.6	98.6	99.0	99.0	99.0	99.5	100.0
GE 000	48.1	50.0	66.3	73.1	88.9	94.7	97.1	98.6	98.6	98.6	98.6	99.0	99.0	99.0	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 208

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	23.9	24.3	32.4	37.5	45.0	46.6	48.0	48.5	48.7	48.8	49.1	49.1	49.1	49.1	49.1	49.1
GE 20000	26.3	26.7	36.1	41.7	50.1	51.7	53.1	53.7	53.8	54.0	54.3	54.3	54.3	54.4	54.5	54.5
GE 18000	26.4	26.9	36.2	41.8	50.2	51.9	53.3	53.8	54.0	54.1	54.4	54.4	54.4	54.5	54.7	54.7
GE 16000	26.4	26.9	36.2	41.8	50.2	51.9	53.3	53.8	54.0	54.1	54.4	54.4	54.4	54.5	54.7	54.7
GE 14000	26.4	26.9	36.2	41.8	50.2	51.9	53.3	53.8	54.0	54.1	54.4	54.4	54.4	54.5	54.7	54.7
GE 12000	26.4	26.9	36.5	42.1	50.6	52.4	53.8	54.4	54.5	54.7	55.0	55.0	55.0	55.1	55.2	55.2
GE 10000	28.5	29.0	38.9	44.8	55.0	57.1	58.6	59.2	59.3	59.4	59.7	59.7	59.7	59.9	60.0	60.0
GE 9000	31.0	31.5	41.8	48.0	58.3	60.4	62.0	62.7	62.8	62.9	63.2	63.2	63.2	63.4	63.5	63.5
GE 8000	36.1	36.6	48.4	54.8	66.2	68.5	70.1	70.8	70.9	71.0	71.3	71.3	71.3	71.5	71.6	71.6
GE 7000	36.8	37.3	49.4	55.9	68.4	70.8	72.4	73.1	73.3	73.4	73.7	73.7	73.7	73.8	74.0	74.0
GE 6000	37.5	38.0	50.1	56.6	69.1	71.5	73.1	73.8	74.0	74.1	74.4	74.4	74.4	74.5	74.7	74.7
GE 5000	39.6	40.1	53.0	59.9	73.1	75.7	77.5	78.2	78.3	78.5	78.7	78.7	78.7	78.9	79.0	79.0
GE 4500	41.7	42.2	55.7	62.5	76.5	79.0	80.8	81.5	81.7	81.8	82.1	82.1	82.1	82.2	82.4	82.4
GE 4000	44.6	45.3	60.7	68.3	83.8	86.4	88.4	89.2	89.4	89.5	89.8	89.8	89.8	89.9	90.1	90.1
GE 3500	46.4	47.3	62.9	70.6	86.7	89.4	91.3	92.2	92.3	92.4	92.7	92.7	92.7	92.9	93.0	93.0
GE 3000	48.5	49.4	65.5	73.1	89.5	92.2	94.1	95.1	95.2	95.4	95.7	95.7	95.7	95.8	95.9	95.9
GE 2500	49.5	50.3	66.4	74.1	90.6	93.3	95.4	96.4	96.5	96.6	96.9	96.9	96.9	97.1	97.2	97.2
GE 2000	49.5	50.3	66.6	74.3	90.8	93.6	95.8	96.9	97.2	97.3	97.6	97.6	97.6	97.8	97.9	97.9
GE 1800	49.5	50.3	66.6	74.3	90.8	93.6	95.8	96.9	97.2	97.3	97.6	97.6	97.6	97.8	97.9	97.9
GE 1500	49.5	50.3	66.7	74.4	91.2	94.1	96.4	97.8	98.0	98.2	98.5	98.5	98.5	98.6	98.7	98.7
GE 1200	49.5	50.3	66.7	74.4	91.2	94.1	96.4	97.8	98.0	98.2	98.5	98.5	98.5	98.6	98.7	98.7
GE 1000	49.5	50.3	66.7	74.4	91.2	94.1	96.4	97.8	98.0	98.2	98.5	98.6	98.6	98.7	98.9	98.9
GE 900	49.5	50.3	66.7	74.4	91.2	94.1	96.4	97.8	98.0	98.2	98.5	98.6	98.6	98.7	98.9	98.9
GE 800	49.5	50.3	66.7	74.4	91.2	94.1	96.4	97.8	98.0	98.2	98.5	98.6	98.6	98.7	98.9	98.9
GE 700	49.5	50.3	66.7	74.4	91.2	94.1	96.4	97.8	98.0	98.2	98.5	98.6	98.7	98.9	99.0	99.0
GE 600	49.5	50.3	66.7	74.4	91.2	94.1	96.4	97.8	98.0	98.2	98.5	98.6	98.7	98.9	99.0	99.0
GE 500	49.5	50.3	66.7	74.4	91.2	94.1	96.4	97.8	98.0	98.2	98.5	98.6	98.7	98.9	99.0	99.0
GE 400	49.5	50.3	66.7	74.4	91.2	94.1	96.4	97.8	98.0	98.2	98.6	98.7	98.9	99.0	99.2	99.2
GE 300	49.5	50.3	66.7	74.4	91.2	94.1	96.4	97.8	98.0	98.2	98.9	99.0	99.2	99.3	99.4	99.4
GE 200	49.5	50.3	66.7	74.4	91.2	94.1	96.4	97.8	98.0	98.2	98.9	99.0	99.2	99.3	99.4	99.6
GE 100	49.5	50.3	66.7	74.4	91.2	94.1	96.4	97.8	98.0	98.2	98.9	99.0	99.2	99.3	99.4	100.0
GE 000	49.5	50.3	66.7	74.4	91.2	94.1	96.4	97.8	98.0	98.2	98.9	99.0	99.2	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 715

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	31.0	31.1	40.1	44.4	49.5	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 20000	33.4	33.6	43.7	48.5	54.1	55.1	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 18000	33.4	33.6	43.8	48.6	54.2	55.2	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 16000	33.4	33.6	43.8	48.6	54.2	55.2	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 14000	33.4	33.6	44.1	48.9	54.5	55.5	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 12000	33.4	33.6	44.4	49.2	54.8	55.8	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 10000	35.8	36.0	47.3	52.7	59.3	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 9000	37.3	37.5	49.0	54.8	61.4	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 8000	40.3	40.8	52.9	59.0	65.8	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 7000	41.1	41.8	54.0	60.4	67.4	68.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 6000	42.3	43.0	55.6	62.1	69.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 5000	43.8	44.5	58.1	64.9	73.3	74.2	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 4500	44.7	45.3	59.0	65.9	74.5	75.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 4000	50.3	51.0	67.4	74.4	83.4	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 3500	53.3	54.0	70.8	78.5	88.1	89.0	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 3000	57.1	57.9	75.6	83.8	94.2	95.6	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 2500	57.4	58.2	76.0	84.2	94.7	96.0	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 2000	57.4	58.2	76.2	84.8	95.5	96.8	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1800	57.4	58.2	76.2	84.8	95.5	96.8	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1500	57.5	58.4	76.4	85.1	95.8	97.3	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	57.5	58.4	76.6	85.3	96.2	97.7	98.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1000	57.5	58.4	76.6	85.3	96.4	97.9	98.8	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9
GE 900	57.5	58.4	76.6	85.3	96.4	97.9	98.8	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9
GE 800	57.5	58.4	76.6	85.3	96.4	97.9	98.8	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9
GE 700	57.5	58.4	76.6	85.3	96.4	97.9	98.8	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9
GE 600	57.5	58.4	76.6	85.3	96.4	97.9	98.8	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0
GE 500	57.5	58.4	76.6	85.3	96.4	97.9	98.8	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0
GE 400	57.5	58.4	76.6	85.3	96.4	97.9	98.8	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0
GE 300	57.5	58.4	76.6	85.3	96.4	97.9	98.8	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0
GE 200	57.5	58.4	76.6	85.3	96.4	97.9	98.8	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0
GE 100	57.5	58.4	76.6	85.3	96.4	97.9	98.8	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0
GE 000	57.5	58.4	76.6	85.3	96.4	97.9	98.8	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 730

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	36.6	38.0	44.8	46.9	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 20000	42.2	43.7	51.6	54.0	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 18000	42.8	44.3	52.2	54.5	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 16000	42.8	44.3	52.2	54.5	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 14000	42.9	44.4	52.3	54.6	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 12000	42.9	44.6	52.6	54.9	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 10000	45.2	47.0	56.0	59.0	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 9000	46.7	48.5	57.5	60.5	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 8000	52.9	54.9	64.4	67.4	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 7000	53.8	55.9	65.8	68.8	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 6000	54.2	56.3	66.2	69.2	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 5000	57.2	59.3	69.3	72.5	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 4500	58.3	60.8	71.1	74.3	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 4000	64.6	67.3	78.2	81.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 3500	67.6	70.6	82.3	85.8	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 3000	72.5	75.7	87.9	92.1	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 2500	72.6	76.0	88.1	92.5	96.6	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 2000	73.2	76.6	88.8	93.2	98.0	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1800	73.2	76.6	88.8	93.2	98.2	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1500	73.3	76.7	89.0	93.3	98.5	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1200	73.3	76.7	89.0	93.3	98.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	73.4	76.8	89.2	93.6	98.9	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	73.4	76.8	89.2	93.6	98.9	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	73.4	76.8	89.2	93.6	98.9	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	73.4	76.8	89.2	93.6	98.9	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	73.4	76.8	89.2	93.6	98.9	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	73.4	76.8	89.2	93.6	98.9	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 400	73.4	76.8	89.2	93.6	98.9	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 300	73.4	76.8	89.2	93.6	98.9	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	73.4	76.8	89.2	93.6	98.9	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	73.4	76.8	89.2	93.6	98.9	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 000	73.4	76.8	89.2	93.6	98.9	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 734

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	42.3	43.3	47.1	48.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 20000	48.3	49.3	53.8	54.7	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 18000	48.4	49.5	54.0	54.9	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 16000	48.4	49.5	54.0	54.9	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 14000	48.4	49.5	54.0	54.9	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 12000	48.6	49.6	54.3	55.3	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 10000	52.5	53.7	59.3	60.4	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 9000	54.0	55.2	60.8	61.9	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 8000	61.1	62.8	68.6	69.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 7000	62.9	65.2	71.2	72.2	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 6000	63.8	66.1	72.0	73.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 5000	65.9	68.2	74.3	75.3	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 4500	67.9	70.1	76.5	77.7	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 4000	75.2	77.6	84.6	85.9	88.3	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 3500	78.6	81.0	88.3	89.7	92.4	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 3000	81.5	83.9	91.6	93.6	97.5	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 2500	81.6	84.0	91.8	93.7	97.9	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2000	82.1	84.5	92.2	94.2	99.0	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	82.1	84.5	92.2	94.2	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	82.1	84.5	92.2	94.2	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	82.1	84.5	92.2	94.2	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	82.1	84.5	92.2	94.2	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	82.1	84.5	92.2	94.2	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	82.1	84.5	92.2	94.2	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	82.1	84.5	92.2	94.2	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	82.1	84.5	92.2	94.2	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	82.1	84.5	92.2	94.2	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	82.1	84.5	92.2	94.2	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	82.1	84.5	92.2	94.2	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	82.1	84.5	92.2	94.2	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	82.1	84.5	92.2	94.2	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	82.1	84.5	92.2	94.2	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 669

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	47.8	48.6	54.0	54.1	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 20000	52.4	53.2	59.0	59.5	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 18000	52.5	53.3	59.2	59.7	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 16000	52.5	53.3	59.2	59.7	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 14000	52.5	53.3	59.2	59.7	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 12000	53.3	54.1	60.0	60.5	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 10000	57.8	58.6	65.2	65.9	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 9000	60.6	61.4	68.3	68.9	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 8000	66.8	67.8	75.1	75.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 7000	69.0	70.2	77.6	78.6	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 6000	70.3	71.4	78.9	80.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 5000	73.0	74.1	82.2	83.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 4500	74.9	76.0	84.3	85.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 4000	81.1	82.2	91.0	92.2	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 3500	81.9	83.0	91.9	93.2	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 3000	84.3	85.4	94.6	95.9	98.4	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2500	84.3	85.4	94.6	95.9	99.0	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2000	84.3	85.4	94.6	95.9	99.0	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	84.3	85.4	94.6	95.9	99.0	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	84.3	85.4	94.6	95.9	99.0	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	84.3	85.4	94.6	95.9	99.0	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	84.3	85.4	94.6	95.9	99.0	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	84.3	85.4	94.6	95.9	99.0	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	84.3	85.4	94.6	95.9	99.0	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	84.3	85.4	94.6	95.9	99.0	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	84.3	85.4	94.6	95.9	99.0	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	84.3	85.4	94.6	95.9	99.0	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	84.3	85.4	94.6	95.9	99.0	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	84.3	85.4	94.6	95.9	99.0	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	84.3	85.4	94.6	95.9	99.0	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	84.3	85.4	94.6	95.9	99.0	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	84.3	85.4	94.6	95.9	99.0	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 630

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	48.1	48.9	55.7	56.2	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 20000	49.8	50.6	57.4	57.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 18000	49.8	50.6	57.4	57.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 16000	49.8	50.6	57.4	57.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 14000	49.8	50.6	57.4	57.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 12000	50.6	51.5	58.3	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 10000	52.3	53.2	60.0	60.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 9000	54.9	56.2	63.4	64.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 8000	60.0	61.3	68.5	69.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 7000	63.8	65.1	72.3	73.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 6000	66.0	67.7	74.9	76.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 5000	70.2	71.9	79.1	80.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 4500	71.1	72.8	80.0	81.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 4000	79.6	81.3	89.4	91.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 3500	80.4	82.1	90.6	92.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 3000	81.7	83.4	91.9	94.5	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 2500	81.7	83.4	91.9	94.5	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2000	82.6	84.3	92.8	95.3	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	82.6	84.3	92.8	95.3	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	82.6	84.3	92.8	95.3	99.1	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	82.6	84.3	92.8	95.3	99.1	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	82.6	84.3	92.8	95.3	99.1	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	82.6	84.3	92.8	95.3	99.1	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	82.6	84.3	92.8	95.3	99.1	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	82.6	84.3	92.8	95.3	99.1	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	82.6	84.3	92.8	95.3	99.1	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	82.6	84.3	92.8	95.3	99.1	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	82.6	84.3	92.8	95.3	99.1	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	82.6	84.3	92.8	95.3	99.1	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	82.6	84.3	92.8	95.3	99.1	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	82.6	84.3	92.8	95.3	99.1	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	82.6	84.3	92.8	95.3	99.1	99.6	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 235

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	36.2	37.0	43.8	46.2	49.8	50.4	50.8	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1
GE 20000	40.1	40.9	48.6	51.4	55.4	56.0	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.8	56.8
GE 18000	40.3	41.1	48.8	51.6	55.6	56.2	56.7	56.8	56.8	56.8	56.9	56.9	56.9	56.9	57.0	57.0
GE 16000	40.3	41.1	48.8	51.6	55.6	56.2	56.7	56.8	56.8	56.8	56.9	56.9	56.9	56.9	57.0	57.0
GE 14000	40.3	41.1	48.8	51.6	55.7	56.3	56.7	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.1	57.1
GE 12000	40.6	41.4	49.2	52.1	56.2	56.8	57.3	57.4	57.4	57.5	57.5	57.5	57.5	57.6	57.6	57.6
GE 10000	43.4	44.3	52.8	56.0	60.6	61.4	61.8	62.0	62.0	62.1	62.1	62.1	62.1	62.2	62.2	62.2
GE 9000	45.3	46.3	55.0	58.3	63.0	63.8	64.2	64.4	64.4	64.5	64.5	64.5	64.5	64.6	64.6	64.6
GE 8000	50.7	51.8	61.1	64.7	69.6	70.5	71.0	71.1	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3
GE 7000	52.0	53.4	62.9	66.5	71.8	72.7	73.2	73.3	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.6
GE 6000	52.9	54.3	63.9	67.6	73.0	73.9	74.3	74.5	74.5	74.6	74.6	74.6	74.6	74.7	74.7	74.7
GE 5000	55.3	56.7	66.8	70.7	76.4	77.4	77.9	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.3
GE 4500	56.9	58.3	68.8	72.7	78.7	79.6	80.1	80.3	80.3	80.4	80.4	80.4	80.4	80.5	80.5	80.5
GE 4000	62.6	64.1	76.0	80.1	86.6	87.6	88.1	88.3	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5
GE 3500	64.9	66.5	78.7	83.1	90.0	91.0	91.6	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.1
GE 3000	67.9	69.6	82.3	87.0	94.8	96.2	96.8	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.3	97.3
GE 2500	68.2	70.0	82.7	87.5	95.5	96.8	97.5	97.8	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0
GE 2000	68.5	70.2	83.0	87.8	96.1	97.6	98.3	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9
GE 1800	68.5	70.2	83.0	87.8	96.2	97.6	98.4	98.8	98.8	98.8	98.9	98.9	98.9	98.9	99.0	99.0
GE 1500	68.5	70.2	83.1	87.9	96.4	97.9	98.6	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.4	99.4
GE 1200	68.5	70.2	83.1	88.0	96.5	98.0	98.7	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5
GE 1000	68.5	70.3	83.1	88.0	96.6	98.1	98.9	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.7	99.7
GE 900	68.5	70.3	83.1	88.0	96.6	98.1	98.9	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.7	99.7
GE 800	68.5	70.3	83.1	88.0	96.6	98.1	98.9	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.7	99.7
GE 700	68.5	70.3	83.1	88.0	96.6	98.1	98.9	99.4	99.4	99.5	99.5	99.6	99.6	99.7	99.7	99.7
GE 600	68.5	70.3	83.1	88.0	96.6	98.1	98.9	99.4	99.4	99.5	99.5	99.6	99.6	99.7	99.7	99.7
GE 500	68.5	70.3	83.1	88.0	96.6	98.1	98.9	99.4	99.4	99.5	99.5	99.6	99.7	99.7	99.7	99.8
GE 400	68.5	70.3	83.1	88.0	96.6	98.1	98.9	99.4	99.4	99.5	99.6	99.7	99.7	99.8	99.8	99.8
GE 300	68.5	70.3	83.1	88.0	96.6	98.1	98.9	99.4	99.4	99.5	99.6	99.7	99.8	99.8	99.8	99.9
GE 200	68.5	70.3	83.1	88.0	96.6	98.1	98.9	99.4	99.4	99.5	99.6	99.7	99.8	99.8	99.8	99.9
GE 100	68.5	70.3	83.1	88.0	96.6	98.1	98.9	99.4	99.4	99.5	99.6	99.7	99.8	99.8	99.9	100.0
GE 000	68.5	70.3	83.1	88.0	96.6	98.1	98.9	99.4	99.4	99.5	99.6	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 3921

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	19.9	19.9	25.8	29.9	38.5	41.6	43.9	48.0	48.0	48.9	49.8	51.1	52.5	52.5	53.8	54.3
GE 20000	20.8	20.8	27.1	31.2	40.7	44.3	46.6	50.7	50.7	51.6	52.5	53.8	55.2	55.2	56.6	57.0
GE 18000	20.8	20.8	27.1	31.2	41.2	44.8	47.1	51.1	51.1	52.0	52.9	54.3	55.7	55.7	57.0	57.5
GE 16000	20.8	20.8	27.1	31.2	41.2	44.8	47.1	51.1	51.1	52.0	52.9	54.3	55.7	55.7	57.0	57.5
GE 14000	20.8	20.8	27.1	31.2	41.2	44.8	47.1	51.1	51.1	52.0	52.9	54.3	55.7	55.7	57.0	57.5
GE 12000	20.8	20.8	27.1	31.2	41.6	45.2	47.5	51.6	51.6	52.5	53.4	54.8	56.1	56.1	57.5	57.9
GE 10000	22.2	22.2	29.4	33.5	44.3	48.0	50.2	54.3	54.3	55.2	56.1	57.5	58.8	58.8	60.2	60.6
GE 9000	23.1	23.1	30.3	35.7	47.1	51.1	53.4	57.9	57.9	58.8	59.7	61.1	62.4	62.4	63.8	64.3
GE 8000	25.3	25.3	33.5	38.9	51.1	55.2	57.5	63.3	63.8	64.7	65.6	67.0	68.3	68.3	69.7	70.1
GE 7000	27.1	27.1	35.7	41.2	53.8	57.9	60.2	66.1	67.0	67.9	68.8	70.1	71.5	71.5	72.9	73.3
GE 6000	27.1	27.1	35.7	41.2	53.8	57.9	60.2	66.1	67.0	67.9	68.8	70.1	71.5	71.5	72.9	73.3
GE 5000	29.4	29.4	38.5	44.3	58.4	62.4	65.2	71.0	71.9	72.9	73.8	75.1	76.5	76.5	77.8	78.3
GE 4500	30.8	30.8	39.8	45.7	59.7	63.8	66.5	72.4	73.3	74.2	75.1	76.5	77.8	77.8	79.2	79.6
GE 4000	34.8	34.8	46.2	52.5	67.4	71.5	74.2	80.1	81.0	81.9	82.8	84.2	85.5	85.5	86.9	87.3
GE 3500	37.6	37.6	48.9	55.2	70.6	75.1	77.8	83.7	84.6	85.5	86.4	87.8	89.1	89.1	90.5	91.0
GE 3000	39.4	39.8	51.1	58.4	75.1	80.1	82.8	88.7	89.6	90.5	91.4	92.8	94.1	94.1	95.5	95.9
GE 2500	39.4	39.8	51.6	58.8	76.0	81.0	83.7	89.6	90.5	91.4	92.3	93.7	95.0	95.0	96.4	96.8
GE 2000	39.4	39.8	51.6	58.8	76.5	81.4	84.6	90.5	91.4	92.3	93.2	94.6	95.9	95.9	97.3	97.7
GE 1800	39.4	39.8	51.6	58.8	76.5	81.9	85.1	91.0	91.9	92.8	93.7	95.0	96.4	96.4	97.7	98.2
GE 1500	39.4	39.8	51.6	58.8	76.5	81.9	85.1	91.0	91.9	92.8	93.7	95.0	96.4	96.4	97.7	98.2
GE 1200	39.4	39.8	51.6	58.8	76.5	81.9	85.1	91.0	91.9	92.8	93.7	95.0	96.4	96.4	97.7	98.2
GE 1000	39.4	39.8	52.0	59.3	76.9	82.4	85.5	91.4	92.3	93.2	94.1	95.5	96.8	96.8	98.2	98.6
GE 900	39.4	39.8	52.0	59.3	76.9	82.4	85.5	91.9	92.8	93.7	94.6	95.9	97.3	97.3	98.6	99.1
GE 800	39.4	39.8	52.0	59.3	76.9	82.4	85.5	91.9	92.8	93.7	94.6	95.9	97.3	97.3	98.6	99.1
GE 700	39.4	39.8	52.0	59.3	76.9	82.4	85.5	91.9	92.8	93.7	94.6	95.9	97.3	97.3	98.6	99.1
GE 600	39.4	39.8	52.0	59.3	76.9	82.4	85.5	92.3	93.2	94.1	95.0	96.4	97.7	97.7	99.1	99.5
GE 500	39.4	39.8	52.0	59.3	76.9	82.4	85.5	92.3	93.2	94.1	95.0	96.4	97.7	97.7	99.1	99.5
GE 400	39.4	39.8	52.0	59.3	76.9	82.4	85.5	92.3	93.2	94.1	95.0	96.4	97.7	97.7	99.1	99.5
GE 300	39.4	39.8	52.0	59.3	76.9	82.4	85.5	92.3	93.2	94.1	95.0	96.4	97.7	97.7	99.1	99.5
GE 200	39.4	39.8	52.0	59.3	76.9	82.4	85.5	92.3	93.2	94.1	95.0	96.4	97.7	97.7	99.1	99.5
GE 100	39.4	39.8	52.0	59.3	76.9	82.4	85.5	92.3	93.2	94.1	95.0	96.4	97.7	97.7	99.1	100.0
GE 000	39.4	39.8	52.0	59.3	76.9	82.4	85.5	92.3	93.2	94.1	95.0	96.4	97.7	97.7	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 221

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	18.9	19.1	24.2	28.0	37.3	41.1	44.2	46.4	47.1	48.0	48.3	48.7	48.7	48.8	49.3	49.4
GE 20000	20.9	21.2	26.3	30.9	41.0	45.3	48.7	50.9	51.6	52.5	52.9	53.3	53.3	53.5	54.0	54.1
GE 18000	21.0	21.3	26.6	31.2	41.2	45.6	49.0	51.2	51.8	52.8	53.2	53.6	53.6	53.7	54.3	54.4
GE 16000	21.0	21.3	26.6	31.2	41.2	45.6	49.0	51.2	51.8	52.8	53.2	53.6	53.6	53.7	54.3	54.4
GE 14000	21.0	21.3	26.6	31.2	41.2	45.6	49.0	51.2	51.8	52.8	53.2	53.6	53.6	53.7	54.3	54.4
GE 12000	21.2	21.4	26.7	31.3	41.4	45.7	49.3	51.4	52.1	53.1	53.5	53.9	53.9	54.0	54.5	54.7
GE 10000	23.1	23.3	29.3	34.6	45.2	49.9	53.5	55.8	56.6	57.5	58.3	58.8	58.8	58.9	59.4	59.6
GE 9000	24.0	24.3	30.4	36.5	47.5	52.2	56.0	58.5	59.3	60.2	61.1	61.5	61.5	61.6	62.1	62.3
GE 8000	27.3	27.5	34.5	41.7	53.7	58.8	62.6	65.0	65.8	66.8	67.6	68.0	68.0	68.1	68.7	68.8
GE 7000	28.6	28.9	36.0	43.8	56.4	61.5	65.3	67.7	68.5	69.5	70.3	70.7	70.7	70.8	71.4	71.5
GE 6000	29.2	29.4	36.6	44.5	57.3	62.3	66.1	68.5	69.3	70.3	71.1	71.5	71.5	71.6	72.2	72.3
GE 5000	31.8	32.0	39.5	47.9	60.8	65.9	69.7	72.2	73.0	73.9	74.8	75.2	75.2	75.3	75.8	76.0
GE 4500	32.0	32.3	39.8	48.2	61.6	66.8	70.7	73.1	73.9	74.9	75.7	76.1	76.1	76.3	76.8	76.9
GE 4000	35.1	35.4	43.8	52.9	67.4	72.6	76.7	79.2	80.1	81.0	82.0	82.4	82.4	82.5	83.0	83.2
GE 3500	36.4	36.6	45.3	54.5	69.6	74.9	79.1	81.8	82.6	83.6	84.5	84.9	84.9	85.1	85.6	85.8
GE 3000	38.7	39.1	48.7	58.8	74.8	80.5	84.8	87.5	88.3	89.3	90.2	90.6	90.6	90.8	91.3	91.5
GE 2500	38.7	39.1	49.1	59.2	75.7	81.5	86.0	88.7	89.6	90.5	91.5	91.9	91.9	92.0	92.5	92.7
GE 2000	39.2	39.6	49.7	59.8	76.8	82.6	87.2	90.1	90.9	91.9	92.8	93.2	93.2	93.4	93.9	94.0
GE 1800	39.2	39.6	49.7	59.8	77.1	83.0	87.7	90.5	91.3	92.3	93.2	93.6	93.6	93.8	94.3	94.4
GE 1500	39.2	39.6	49.8	60.0	77.6	83.7	88.6	91.5	92.5	93.5	94.4	94.8	94.8	95.0	95.5	95.7
GE 1200	39.2	39.6	49.8	60.0	77.6	83.9	88.9	91.7	92.8	93.8	94.7	95.1	95.1	95.3	95.8	95.9
GE 1000	39.2	39.6	49.8	60.0	77.6	83.9	88.9	91.7	92.8	93.8	94.7	95.3	95.3	95.4	95.9	96.1
GE 900	39.2	39.6	49.8	60.0	78.0	84.3	89.4	92.4	93.5	94.4	95.4	95.9	95.9	96.1	96.6	96.7
GE 800	39.2	39.6	49.8	60.0	78.2	84.4	89.6	92.7	93.8	94.7	95.7	96.2	96.2	96.5	97.0	97.2
GE 700	39.2	39.6	49.8	60.0	78.2	84.5	89.7	92.9	94.0	95.0	95.9	96.5	96.5	96.7	97.3	97.4
GE 600	39.2	39.6	49.8	60.0	78.2	84.5	89.7	93.1	94.2	95.1	96.1	96.6	96.6	96.9	97.4	97.6
GE 500	39.2	39.6	49.8	60.0	78.2	84.5	89.7	93.2	94.3	95.5	96.6	97.2	97.2	97.4	98.0	98.1
GE 400	39.2	39.6	49.8	60.0	78.2	84.5	89.7	93.2	94.3	95.8	96.9	97.7	97.7	98.0	98.5	98.9
GE 300	39.2	39.6	49.8	60.0	78.2	84.5	89.7	93.2	94.3	95.8	96.9	97.7	97.7	98.0	98.5	98.9
GE 200	39.2	39.6	49.8	60.0	78.2	84.5	89.7	93.2	94.3	95.8	96.9	97.7	97.7	98.1	98.6	99.1
GE 100	39.2	39.6	49.8	60.0	78.2	84.5	89.7	93.2	94.3	95.8	96.9	97.7	97.7	98.1	98.8	100.0
GE 000	39.2	39.6	49.8	60.0	78.2	84.5	89.7	93.2	94.3	95.8	96.9	97.7	97.7	98.1	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 737

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	22.5	22.6	31.8	39.6	48.3	49.9	50.5	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 20000	25.1	25.2	34.9	43.2	52.8	54.7	55.2	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 18000	25.4	25.5	35.1	43.5	53.1	55.0	55.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 16000	25.4	25.5	35.1	43.5	53.1	55.0	55.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 14000	25.4	25.5	35.1	43.5	53.1	55.0	55.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 12000	25.5	25.6	35.7	44.1	53.8	55.6	56.1	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 10000	26.8	26.9	37.6	46.4	56.9	58.9	59.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 9000	27.6	27.7	39.0	48.0	58.5	60.5	61.2	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 8000	30.9	31.4	43.6	53.2	64.1	66.1	66.7	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 7000	31.8	32.4	45.0	54.8	66.3	68.4	69.1	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 6000	32.5	33.0	45.7	55.6	67.2	69.4	70.0	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 5000	33.9	34.6	47.8	58.1	70.0	72.3	72.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 4500	34.5	35.1	48.7	59.3	71.2	73.4	74.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 4000	38.8	39.9	54.6	65.7	77.9	80.3	81.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 3500	41.0	42.0	57.1	68.3	80.7	83.2	83.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 3000	45.4	46.8	63.4	74.9	88.5	91.0	91.9	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 2500	45.6	46.9	63.8	75.3	89.7	92.5	93.5	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 2000	46.0	47.3	64.3	75.8	90.8	93.5	94.6	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1800	46.0	47.3	64.3	75.8	91.0	93.8	94.8	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1500	46.1	47.4	64.5	76.0	91.3	94.3	95.4	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1200	46.1	47.4	64.5	76.0	91.4	94.5	95.6	97.2	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1000	46.1	47.4	64.5	76.0	91.7	94.7	96.0	97.6	98.2	98.3	98.3	98.7	98.7	98.7	98.7	98.7
GE 900	46.1	47.4	64.5	76.1	91.8	94.8	96.2	97.9	98.4	98.5	98.5	98.9	98.9	98.9	98.9	98.9
GE 800	46.1	47.4	64.5	76.1	91.8	94.8	96.3	98.2	98.8	98.9	98.9	99.3	99.3	99.3	99.3	99.3
GE 700	46.1	47.4	64.5	76.1	91.8	94.8	96.3	98.2	98.8	98.9	98.9	99.3	99.3	99.3	99.3	99.3
GE 600	46.1	47.4	64.5	76.1	91.8	94.8	96.3	98.2	98.8	98.9	98.9	99.3	99.3	99.3	99.3	99.3
GE 500	46.1	47.4	64.5	76.1	91.8	94.8	96.3	98.2	98.8	98.9	99.2	99.6	99.6	99.6	99.6	99.6
GE 400	46.1	47.4	64.5	76.1	91.8	94.8	96.3	98.3	98.9	99.2	99.5	99.9	99.9	99.9	99.9	99.9
GE 300	46.1	47.4	64.5	76.1	91.8	94.8	96.3	98.3	98.9	99.2	99.5	99.9	99.9	99.9	99.9	99.9
GE 200	46.1	47.4	64.5	76.1	91.8	94.8	96.3	98.3	98.9	99.2	99.5	99.9	99.9	99.9	99.9	99.9
GE 100	46.1	47.4	64.5	76.1	91.8	94.8	96.3	98.3	98.9	99.2	99.5	99.9	99.9	99.9	99.9	100.0
GE 000	46.1	47.4	64.5	76.1	91.8	94.8	96.3	98.3	98.9	99.2	99.5	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 757

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	29.1	29.9	38.4	41.7	45.2	45.3	45.3	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 20000	33.3	34.1	43.6	46.9	51.1	51.3	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
GE 18000	33.7	34.5	44.0	47.4	51.7	51.8	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 16000	33.7	34.5	44.0	47.4	51.7	51.8	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 14000	33.7	34.5	44.0	47.4	51.7	51.8	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 12000	34.3	35.1	45.0	48.5	52.8	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 10000	37.3	38.2	48.2	52.2	56.8	56.9	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 9000	38.2	39.1	49.5	53.5	58.1	58.5	58.5	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 8000	43.2	44.1	55.1	59.2	64.1	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 7000	44.4	45.3	56.4	60.8	66.3	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 6000	45.3	46.2	57.5	62.1	67.6	68.0	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 5000	47.4	48.3	60.8	65.4	70.9	71.3	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 4500	47.8	48.7	61.2	66.1	71.7	72.1	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 4000	53.4	54.4	67.4	72.4	78.3	79.1	79.1	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 3500	57.7	58.9	72.0	77.7	83.8	84.8	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 3000	65.4	66.7	81.1	86.9	93.7	94.7	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 2500	65.9	67.2	81.6	88.0	95.0	96.2	96.6	96.8	96.8	96.8	96.8	97.0	97.0	97.0	97.0	97.0
GE 2000	66.2	67.5	81.9	88.2	96.2	97.4	97.8	98.0	98.0	98.0	98.0	98.2	98.2	98.2	98.2	98.2
GE 1800	66.2	67.5	81.9	88.2	96.2	97.4	97.8	98.0	98.0	98.0	98.0	98.2	98.2	98.2	98.2	98.2
GE 1500	66.2	67.5	81.9	88.4	96.3	97.5	98.2	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8
GE 1200	66.2	67.5	81.9	88.4	96.3	97.5	98.2	98.5	98.7	98.9	98.9	99.1	99.1	99.1	99.1	99.1
GE 1000	66.2	67.5	81.9	88.4	96.6	97.9	98.5	98.9	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.6
GE 900	66.2	67.5	81.9	88.4	96.6	97.9	98.5	98.9	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.6
GE 800	66.2	67.5	81.9	88.4	96.6	97.9	98.7	99.1	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7
GE 700	66.2	67.5	81.9	88.4	96.7	98.0	98.9	99.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 600	66.2	67.5	81.9	88.4	96.7	98.0	98.9	99.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 500	66.2	67.5	81.9	88.4	96.7	98.0	98.9	99.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 400	66.2	67.5	81.9	88.4	96.7	98.0	98.9	99.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 300	66.2	67.5	81.9	88.4	96.7	98.0	98.9	99.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	66.2	67.5	81.9	88.4	96.7	98.0	98.9	99.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	66.2	67.5	81.9	88.4	96.7	98.0	98.9	99.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 000	66.2	67.5	81.9	88.4	96.7	98.0	98.9	99.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 757

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	36.2	37.0	43.1	45.2	47.5	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 20000	44.2	45.5	53.1	55.2	58.0	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 18000	44.9	46.2	53.9	56.1	58.9	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 16000	44.9	46.2	53.9	56.1	58.9	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 14000	45.4	46.6	54.4	56.5	59.3	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 12000	46.2	47.5	55.4	57.5	60.3	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 10000	49.4	50.8	59.3	61.5	64.4	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 9000	50.1	51.7	60.1	62.4	65.2	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 8000	56.1	57.9	66.5	68.9	71.8	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 7000	58.0	59.9	68.7	71.5	74.6	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 6000	59.2	61.0	69.9	72.7	75.8	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 5000	62.4	64.2	73.2	76.2	79.4	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 4500	63.4	65.2	74.4	77.3	80.6	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 4000	68.6	70.4	80.6	84.2	87.5	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 3500	72.5	74.4	84.6	88.5	91.8	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 3000	75.8	77.6	88.5	92.3	95.9	96.3	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 2500	76.6	78.5	89.4	93.4	97.0	97.6	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 2000	76.8	78.6	89.6	93.7	97.9	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1800	76.8	78.6	89.6	93.7	97.9	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1500	76.8	78.6	89.7	93.8	98.0	98.9	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	76.8	78.6	89.7	93.8	98.0	98.9	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	76.8	78.6	89.7	93.9	98.3	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	76.8	78.6	89.7	93.9	98.3	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	76.8	78.6	89.7	93.9	98.3	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	76.8	78.6	89.7	93.9	98.3	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	76.8	78.6	89.7	93.9	98.3	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	76.8	78.6	89.7	93.9	98.3	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	76.8	78.6	89.7	93.9	98.3	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	76.8	78.6	89.7	93.9	98.3	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	76.8	78.6	89.7	93.9	98.3	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	76.8	78.6	89.7	93.9	98.3	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	76.8	78.6	89.7	93.9	98.3	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 710

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	41.1	42.4	51.0	52.6	53.7	54.1	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 20000	48.4	49.9	58.8	60.6	61.6	62.1	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 18000	48.6	50.1	59.2	61.0	62.1	62.5	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 16000	48.6	50.1	59.2	61.0	62.1	62.5	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 14000	49.0	50.5	59.7	61.5	62.5	63.0	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 12000	49.6	51.1	60.3	62.4	63.6	64.0	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 10000	55.0	56.8	66.4	68.8	70.5	71.2	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 9000	56.5	58.5	68.2	70.6	72.3	73.0	73.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 8000	60.4	62.7	73.0	75.4	77.1	77.8	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 7000	61.6	64.2	75.1	78.1	79.8	80.5	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 6000	62.5	65.1	76.0	79.2	80.8	81.6	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 5000	64.8	67.3	78.7	82.2	83.8	84.6	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 4500	65.7	68.2	79.6	83.1	84.9	85.6	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 4000	71.5	74.2	86.5	90.6	92.4	93.1	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 3500	72.7	75.4	87.7	91.9	93.9	94.6	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 3000	74.4	77.1	89.7	94.3	96.4	97.3	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 2500	74.8	77.5	90.1	94.8	96.9	97.9	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2000	75.4	78.1	90.7	95.4	97.5	98.5	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	75.4	78.1	90.7	95.4	97.5	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	75.4	78.1	90.7	95.4	97.5	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	75.4	78.1	90.7	95.4	97.5	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	75.4	78.1	90.7	95.4	97.5	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	75.4	78.1	90.7	95.4	97.5	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	75.4	78.1	90.7	95.4	97.5	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	75.4	78.1	90.7	95.4	97.5	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	75.4	78.1	90.7	95.4	97.5	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	75.4	78.1	90.7	95.4	97.5	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	75.4	78.1	90.7	95.4	97.5	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	75.4	78.1	90.7	95.4	97.5	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	75.4	78.1	90.7	95.4	97.5	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	75.4	78.1	90.7	95.4	97.5	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	75.4	78.1	90.7	95.4	97.5	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 667

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	44.9	46.1	54.7	55.1	57.2	57.6	57.6	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 20000	50.6	51.9	60.9	62.6	64.6	65.0	65.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 18000	50.6	51.9	60.9	62.6	64.6	65.0	65.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 16000	50.6	51.9	60.9	62.6	64.6	65.0	65.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 14000	51.0	52.3	61.3	63.0	65.0	65.4	65.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 12000	51.0	52.3	61.3	63.0	65.0	65.4	65.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 10000	54.3	56.0	65.8	67.5	69.5	70.4	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 9000	56.4	58.0	68.3	70.8	72.8	73.7	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 8000	59.3	60.9	72.4	74.9	77.0	77.8	77.8	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 7000	60.1	62.1	74.5	77.4	79.4	80.2	80.2	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 6000	62.1	64.2	76.5	79.4	81.5	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 5000	64.6	66.7	79.4	82.3	84.4	85.2	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 4500	65.8	67.9	80.7	83.5	85.6	86.4	86.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 4000	71.2	73.3	86.8	90.1	92.6	93.4	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 3500	73.7	75.7	89.3	92.6	95.1	95.9	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 3000	74.5	76.5	90.1	94.2	96.7	97.5	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2500	74.9	77.0	90.5	94.7	97.1	97.9	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2000	75.3	77.4	90.9	95.1	97.5	98.4	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	75.3	77.4	90.9	95.1	97.5	98.4	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	75.3	77.4	90.9	95.1	97.5	98.4	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	75.3	77.4	90.9	95.1	97.5	98.4	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	75.3	77.4	90.9	95.1	97.5	98.4	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	75.3	77.4	90.9	95.1	97.5	98.4	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	75.3	77.4	90.9	95.1	97.5	98.4	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	75.3	77.4	90.9	95.1	97.5	98.4	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	75.3	77.4	90.9	95.1	97.5	98.4	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	75.3	77.4	90.9	95.1	97.5	98.4	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	75.3	77.4	90.9	95.1	97.5	98.4	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	75.3	77.4	90.9	95.1	97.5	98.4	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	75.3	77.4	90.9	95.1	97.5	98.4	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	75.3	77.4	90.9	95.1	97.5	98.4	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	75.3	77.4	90.9	95.1	97.5	98.4	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 243

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	29.6	30.3	37.8	41.4	46.5	47.8	48.6	49.5	49.7	49.9	50.0	50.1	50.2	50.2	50.4	50.4
GE 20000	34.3	35.0	43.1	47.1	52.8	54.2	55.1	56.0	56.2	56.4	56.5	56.6	56.7	56.7	56.9	57.0
GE 18000	34.6	35.3	43.5	47.5	53.2	54.7	55.5	56.5	56.6	56.8	56.9	57.1	57.2	57.2	57.4	57.4
GE 16000	34.6	35.3	43.5	47.5	53.2	54.7	55.5	56.5	56.6	56.8	56.9	57.1	57.2	57.2	57.4	57.4
GE 14000	34.7	35.5	43.7	47.7	53.4	54.8	55.7	56.6	56.8	57.0	57.1	57.3	57.3	57.4	57.5	57.6
GE 12000	35.1	35.9	44.3	48.3	54.1	55.6	56.5	57.4	57.5	57.7	57.9	58.0	58.1	58.1	58.3	58.3
GE 10000	38.0	38.9	47.8	52.2	58.4	60.0	60.9	61.9	62.0	62.3	62.5	62.6	62.7	62.7	62.9	62.9
GE 9000	39.0	39.9	49.1	53.8	60.1	61.8	62.8	63.8	64.0	64.2	64.4	64.5	64.6	64.6	64.8	64.8
GE 8000	43.1	44.2	54.0	59.1	65.7	67.5	68.5	69.6	69.7	70.0	70.2	70.3	70.4	70.4	70.6	70.6
GE 7000	44.4	45.6	55.8	61.2	68.3	70.1	71.0	72.1	72.3	72.6	72.8	72.9	73.0	73.0	73.2	73.2
GE 6000	45.3	46.4	56.7	62.2	69.3	71.1	72.1	73.2	73.4	73.6	73.8	73.9	74.0	74.0	74.2	74.3
GE 5000	47.6	48.8	59.5	65.4	72.6	74.5	75.5	76.5	76.8	77.0	77.2	77.3	77.4	77.4	77.6	77.6
GE 4500	48.3	49.5	60.3	66.3	73.7	75.5	76.5	77.6	77.8	78.0	78.2	78.4	78.4	78.5	78.6	78.7
GE 4000	53.1	54.4	66.2	72.6	80.4	82.4	83.5	84.6	84.8	85.1	85.3	85.4	85.5	85.5	85.7	85.8
GE 3500	55.6	57.0	69.0	75.6	83.7	85.8	87.0	88.1	88.4	88.6	88.8	89.0	89.0	89.1	89.2	89.3
GE 3000	59.3	60.8	73.6	80.6	89.3	91.5	92.9	94.2	94.4	94.6	94.8	95.0	95.1	95.1	95.3	95.3
GE 2500	59.7	61.1	74.1	81.3	90.3	92.7	94.1	95.4	95.6	95.8	96.0	96.2	96.3	96.3	96.5	96.5
GE 2000	60.0	61.5	74.5	81.7	91.2	93.6	95.1	96.4	96.6	96.8	97.1	97.2	97.3	97.3	97.5	97.6
GE 1800	60.0	61.5	74.5	81.7	91.3	93.7	95.3	96.6	96.8	97.0	97.2	97.4	97.5	97.5	97.7	97.7
GE 1500	60.0	61.5	74.6	81.8	91.5	94.1	95.7	97.1	97.5	97.7	97.9	98.1	98.1	98.2	98.3	98.4
GE 1200	60.0	61.5	74.6	81.8	91.5	94.1	95.8	97.2	97.6	97.8	98.1	98.2	98.3	98.3	98.5	98.6
GE 1000	60.0	61.5	74.6	81.9	91.7	94.3	96.0	97.4	97.8	98.1	98.3	98.6	98.7	98.7	98.9	98.9
GE 900	60.0	61.5	74.6	81.9	91.8	94.4	96.2	97.6	98.0	98.3	98.5	98.8	98.9	98.9	99.0	99.1
GE 800	60.0	61.5	74.6	81.9	91.8	94.4	96.2	97.7	98.1	98.4	98.7	98.9	99.0	99.0	99.2	99.3
GE 700	60.0	61.5	74.6	81.9	91.8	94.5	96.3	97.8	98.2	98.5	98.8	99.0	99.1	99.1	99.3	99.4
GE 600	60.0	61.5	74.6	81.9	91.8	94.5	96.3	97.9	98.3	98.6	98.8	99.1	99.1	99.2	99.4	99.4
GE 500	60.0	61.5	74.6	81.9	91.8	94.5	96.3	97.9	98.3	98.7	98.9	99.2	99.3	99.3	99.5	99.6
GE 400	60.0	61.5	74.6	81.9	91.8	94.5	96.3	97.9	98.3	98.8	99.0	99.4	99.4	99.5	99.7	99.8
GE 300	60.0	61.5	74.6	81.9	91.8	94.5	96.3	97.9	98.3	98.8	99.0	99.4	99.4	99.5	99.7	99.8
GE 200	60.0	61.5	74.6	81.9	91.8	94.5	96.3	97.9	98.3	98.8	99.0	99.4	99.4	99.5	99.7	99.8
GE 100	60.0	61.5	74.6	81.9	91.8	94.5	96.3	97.9	98.3	98.8	99.0	99.4	99.4	99.5	99.7	100.0
GE 000	60.0	61.5	74.6	81.9	91.8	94.5	96.3	97.9	98.3	98.8	99.0	99.4	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 4092

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	23.9	23.9	30.7	31.3	39.8	43.8	44.9	46.6	47.2	47.7	48.9	48.9	49.4	50.0	50.6	52.3
GE 20000	23.9	23.9	30.7	31.3	39.8	43.8	44.9	46.6	47.2	47.7	48.9	48.9	49.4	50.0	50.6	52.3
GE 18000	23.9	23.9	30.7	31.3	39.8	43.8	44.9	46.6	47.2	47.7	48.9	48.9	49.4	50.0	50.6	52.3
GE 16000	24.4	24.4	31.3	31.8	40.3	44.3	45.5	47.2	47.7	48.3	49.4	49.4	50.0	50.6	51.1	52.8
GE 14000	24.4	24.4	31.3	31.8	40.3	44.3	45.5	47.2	47.7	48.3	49.4	49.4	50.0	50.6	51.1	52.8
GE 12000	24.4	24.4	31.3	31.8	40.3	44.3	45.5	47.2	47.7	48.3	49.4	49.4	50.0	50.6	51.1	52.8
GE 10000	27.3	27.3	34.7	35.2	44.3	48.3	49.4	51.1	51.7	52.3	53.4	53.4	54.0	54.5	55.1	56.8
GE 9000	29.0	29.0	36.4	36.9	46.0	50.0	51.1	52.8	53.4	54.0	55.1	55.1	55.7	56.3	56.8	58.5
GE 8000	33.5	34.1	42.6	43.8	54.0	58.0	59.1	60.8	61.4	61.9	63.1	63.1	63.6	64.2	64.8	66.5
GE 7000	35.2	35.8	44.3	45.5	55.7	59.7	60.8	62.5	63.1	63.6	64.8	64.8	65.3	65.9	66.5	68.2
GE 6000	35.8	36.4	44.9	46.0	56.3	60.2	61.4	63.1	63.6	64.2	65.3	65.3	65.9	66.5	67.0	68.8
GE 5000	38.6	39.2	47.7	48.9	59.7	63.6	64.8	66.5	67.0	67.6	68.8	68.8	69.3	69.9	70.5	72.2
GE 4500	39.8	40.3	48.9	50.6	61.4	65.3	66.5	68.2	68.8	69.3	70.5	70.5	71.0	71.6	72.2	73.9
GE 4000	45.5	46.0	54.5	56.8	67.6	71.6	72.7	74.4	75.0	75.6	76.7	76.7	77.3	77.8	78.4	80.1
GE 3500	47.7	48.3	58.0	60.2	71.6	75.6	76.7	78.4	79.0	79.5	80.7	80.7	81.3	81.8	82.4	84.1
GE 3000	51.1	51.7	61.9	64.2	77.3	81.3	82.4	84.1	84.7	85.2	86.4	86.4	87.5	88.1	88.6	90.3
GE 2500	51.7	52.3	63.1	65.9	79.0	83.0	84.1	85.8	86.4	86.9	88.1	88.1	89.2	89.8	90.3	92.0
GE 2000	52.8	53.4	64.2	67.0	80.1	84.1	85.2	86.9	87.5	88.1	89.2	89.2	90.3	90.9	91.5	93.2
GE 1800	52.8	53.4	64.2	67.0	80.1	84.1	85.2	86.9	87.5	88.1	89.2	89.2	90.3	90.9	91.5	93.2
GE 1500	52.8	53.4	64.2	67.0	80.1	84.7	85.8	87.5	88.6	89.8	90.9	90.9	92.0	92.6	93.2	94.9
GE 1200	52.8	53.4	64.2	67.0	80.7	85.2	86.4	88.1	89.2	90.3	91.5	91.5	92.6	93.2	93.8	95.5
GE 1000	52.8	53.4	64.2	67.0	80.7	85.8	86.9	88.6	89.8	90.9	92.0	92.0	93.2	93.8	94.3	96.0
GE 900	52.8	53.4	64.2	67.0	80.7	85.8	86.9	88.6	89.8	90.9	92.0	92.0	93.2	93.8	94.3	96.0
GE 800	52.8	53.4	64.2	67.0	81.3	86.4	87.5	89.2	90.3	91.5	92.6	92.6	93.8	94.3	94.9	96.6
GE 700	52.8	53.4	64.2	67.0	81.3	86.4	87.5	89.2	90.3	91.5	92.6	92.6	93.8	94.3	94.9	96.6
GE 600	52.8	53.4	64.2	67.0	81.3	86.4	87.5	89.2	90.3	91.5	92.6	92.6	93.8	94.3	94.9	96.6
GE 500	52.8	53.4	64.2	67.0	81.3	86.4	87.5	89.2	90.3	91.5	92.6	92.6	93.8	94.3	94.9	96.6
GE 400	52.8	53.4	64.2	67.0	81.3	86.4	87.5	89.2	90.3	91.5	92.6	92.6	93.8	94.3	94.9	96.6
GE 300	52.8	53.4	64.2	67.0	81.3	86.4	88.1	89.8	90.9	92.0	93.2	93.2	94.3	94.9	95.5	97.7
GE 200	52.8	53.4	64.2	67.0	81.3	86.4	88.1	89.8	90.9	92.0	93.2	93.2	94.3	94.9	95.5	98.3
GE 100	52.8	53.4	64.2	67.0	81.3	86.4	88.1	90.3	91.5	92.6	93.8	93.8	94.9	95.5	96.6	100.0
GE 000	52.8	53.4	64.2	67.0	81.3	86.4	88.1	90.3	91.5	92.6	93.8	93.8	94.9	95.5	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS 176

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	13.6	13.6	18.7	22.0	31.9	36.3	38.0	39.6	40.0	40.8	41.1	43.1	43.1	43.3	43.8	45.0
GE 20000	15.5	15.6	21.3	25.1	35.6	40.0	42.2	44.1	44.5	45.4	45.7	47.7	47.7	48.1	48.7	50.0
GE 18000	15.5	15.6	21.3	25.1	35.6	40.0	42.3	44.2	44.6	45.6	45.8	47.8	47.8	48.2	48.8	50.1
GE 16000	15.5	15.6	21.3	25.1	35.6	40.0	42.3	44.2	44.6	45.6	45.8	47.8	47.8	48.2	48.8	50.1
GE 14000	15.5	15.6	21.3	25.1	35.6	40.0	42.3	44.2	44.6	45.6	45.8	47.8	47.8	48.2	48.8	50.1
GE 12000	15.6	15.8	21.6	25.3	35.8	40.3	42.6	44.5	44.9	45.8	46.1	48.1	48.1	48.5	49.1	50.4
GE 10000	18.1	18.2	24.4	28.4	39.8	44.3	46.6	48.5	48.9	49.9	50.3	52.3	52.3	52.7	53.2	54.6
GE 9000	18.9	19.0	25.3	29.5	41.0	45.6	47.8	49.7	50.1	51.1	51.5	53.5	53.5	53.9	54.4	55.8
GE 8000	22.4	22.5	29.4	33.8	46.9	51.6	54.4	56.6	57.0	58.0	58.4	60.4	60.4	60.8	61.3	62.7
GE 7000	23.0	23.2	30.3	34.8	48.7	53.4	56.3	58.6	59.0	60.0	60.4	62.4	62.4	62.8	63.3	64.7
GE 6000	23.3	23.5	30.6	35.0	48.9	53.6	56.6	58.9	59.3	60.2	60.6	62.7	62.7	63.1	63.6	65.0
GE 5000	24.3	24.4	32.3	37.1	51.6	56.3	59.3	61.6	62.0	62.9	63.3	65.4	65.4	65.8	66.3	67.7
GE 4500	25.2	25.3	33.7	38.5	53.4	58.2	61.2	63.5	63.9	64.8	65.2	67.3	67.3	67.7	68.2	69.5
GE 4000	29.2	29.5	38.9	43.9	59.4	64.6	67.7	70.1	70.6	71.6	72.2	74.3	74.3	74.7	75.2	76.5
GE 3500	31.3	31.7	41.2	46.4	63.2	68.6	72.0	74.4	74.9	75.9	76.5	78.6	78.7	79.1	79.6	81.0
GE 3000	34.8	35.2	46.0	51.5	69.4	75.3	78.7	81.4	82.1	83.2	83.8	85.8	86.0	86.4	86.9	88.3
GE 2500	35.3	36.0	47.4	53.0	71.3	77.2	80.6	83.3	84.0	85.0	85.7	87.7	88.0	88.4	88.9	90.3
GE 2000	35.8	36.5	48.1	53.8	72.4	78.3	81.8	84.5	85.2	86.3	86.9	88.9	89.2	89.6	90.2	91.5
GE 1800	36.0	36.7	48.2	53.9	72.5	78.4	81.9	84.6	85.3	86.4	87.1	89.1	89.4	89.8	90.3	91.6
GE 1500	36.3	36.9	48.8	54.6	73.6	79.6	83.2	86.0	86.8	88.0	88.7	90.7	91.0	91.4	91.9	93.3
GE 1200	36.3	36.9	48.8	54.6	73.6	79.9	83.4	86.3	87.1	88.3	88.9	91.0	91.2	91.6	92.2	93.5
GE 1000	36.3	36.9	48.9	54.7	73.7	80.3	83.8	86.7	87.6	88.8	89.5	91.5	91.8	92.2	92.7	94.1
GE 900	36.3	36.9	48.9	54.7	73.7	80.3	83.8	86.7	87.6	88.8	89.5	91.5	91.8	92.2	92.7	94.1
GE 800	36.3	36.9	48.9	54.7	73.7	80.3	83.8	86.9	87.9	89.1	89.8	91.8	92.0	92.6	93.1	94.5
GE 700	36.3	36.9	48.9	54.7	73.9	80.5	84.0	87.1	88.0	89.2	90.0	92.0	92.3	92.9	93.4	94.7
GE 600	36.3	36.9	48.9	54.7	73.9	80.5	84.1	87.2	88.1	89.4	90.3	92.3	92.6	93.1	93.7	95.0
GE 500	36.3	36.9	48.9	54.7	74.1	80.7	84.4	87.5	88.4	89.6	90.6	92.6	93.0	93.5	94.1	95.4
GE 400	36.3	36.9	48.9	54.7	74.1	80.7	84.4	87.5	88.4	89.6	90.6	92.6	93.0	93.5	94.1	95.8
GE 300	36.3	36.9	48.9	54.7	74.1	80.7	84.4	87.5	88.4	89.8	90.8	93.1	93.7	94.2	94.9	97.4
GE 200	36.3	36.9	48.9	54.7	74.1	80.7	84.4	87.5	88.4	89.8	90.8	93.1	93.7	94.2	94.9	98.1
GE 100	36.3	36.9	48.9	54.7	74.1	80.7	84.4	87.5	88.4	89.8	90.8	93.1	93.7	94.2	95.3	99.7
GE 000	36.3	36.9	48.9	54.7	74.1	80.7	84.4	87.5	88.4	89.8	90.8	93.1	93.7	94.2	95.3	100.0

TOTAL NUMBER OF OBSERVATIONS 742

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	18.0	18.1	25.5	29.9	39.2	41.3	43.3	44.8	45.0	45.4	45.7	45.8	45.8	46.0	46.0	46.0
GE 20000	20.2	20.5	29.1	33.8	44.3	46.6	48.6	50.2	50.5	50.9	51.1	51.3	51.3	51.4	51.5	51.7
GE 18000	20.2	20.5	29.1	33.9	44.5	47.2	49.3	50.9	51.1	51.5	51.8	51.9	51.9	52.0	52.2	52.3
GE 16000	20.2	20.5	29.1	33.9	44.5	47.2	49.3	50.9	51.1	51.5	51.8	51.9	51.9	52.0	52.2	52.3
GE 14000	20.2	20.5	29.1	33.9	44.5	47.2	49.3	50.9	51.1	51.5	51.8	51.9	51.9	52.0	52.2	52.3
GE 12000	20.5	20.7	29.6	34.5	45.0	47.7	49.8	51.4	51.7	52.0	52.3	52.4	52.4	52.6	52.7	52.8
GE 10000	22.5	22.7	32.1	37.0	48.0	50.7	52.8	54.4	54.7	55.1	55.4	55.5	55.5	55.6	55.7	55.9
GE 9000	23.5	23.8	33.4	38.3	49.4	52.2	54.3	55.9	56.1	56.5	56.8	56.9	56.9	57.1	57.2	57.3
GE 8000	27.1	27.3	37.5	42.8	55.2	58.0	60.5	62.2	62.6	63.0	63.3	63.4	63.4	63.5	63.7	63.8
GE 7000	29.1	29.3	39.5	44.9	58.0	60.9	63.4	65.1	65.5	65.9	66.2	66.3	66.3	66.4	66.6	66.7
GE 6000	29.5	29.7	39.9	45.3	58.5	61.4	63.9	65.7	66.1	66.4	66.7	66.8	66.8	67.0	67.1	67.2
GE 5000	30.1	30.4	40.8	46.5	60.4	63.5	66.1	67.8	68.2	68.6	68.8	69.0	69.0	69.1	69.2	69.4
GE 4500	30.5	30.8	41.6	47.3	61.2	64.3	67.0	68.7	69.1	69.5	69.7	69.9	69.9	70.0	70.1	70.3
GE 4000	33.2	33.6	45.2	51.4	66.1	69.9	72.7	74.5	74.9	75.3	75.6	75.7	75.7	75.8	76.0	76.1
GE 3500	36.7	37.1	49.5	56.1	71.2	75.2	78.1	79.9	80.3	80.7	81.1	81.2	81.2	81.4	81.5	81.6
GE 3000	42.8	43.2	56.8	63.9	80.3	84.7	87.7	89.6	90.0	90.4	90.8	90.9	90.9	91.0	91.1	91.3
GE 2500	44.3	44.6	58.4	65.5	82.2	86.9	90.0	91.8	92.2	92.6	93.0	93.1	93.1	93.3	93.4	93.5
GE 2000	45.3	45.7	59.7	67.0	83.9	88.8	91.9	93.8	94.2	94.6	95.0	95.1	95.1	95.2	95.4	95.5
GE 1800	45.3	45.7	59.7	67.0	83.9	88.8	91.9	93.8	94.2	94.6	95.0	95.1	95.1	95.2	95.4	95.5
GE 1500	45.4	45.8	59.8	67.1	84.1	89.2	92.6	94.5	95.0	95.4	95.8	95.9	95.9	96.0	96.2	96.3
GE 1200	45.6	46.0	60.0	67.2	84.3	89.3	92.7	94.7	95.2	95.6	96.0	96.2	96.2	96.3	96.4	96.6
GE 1000	45.6	46.0	60.1	67.4	84.8	90.1	93.5	95.6	96.2	96.6	97.0	97.2	97.2	97.4	97.5	97.6
GE 900	45.6	46.0	60.1	67.4	84.8	90.1	93.5	95.8	96.3	97.0	97.4	97.6	97.6	97.8	97.9	98.0
GE 800	45.6	46.0	60.1	67.4	84.8	90.1	93.5	95.8	96.3	97.0	97.4	97.6	97.6	97.8	97.9	98.0
GE 700	45.6	46.0	60.1	67.4	84.8	90.1	93.5	95.8	96.3	97.0	97.4	97.6	97.6	97.8	97.9	98.0
GE 600	45.6	46.0	60.1	67.4	84.8	90.1	93.5	95.8	96.3	97.0	97.6	97.9	97.9	98.0	98.2	98.3
GE 500	45.6	46.0	60.1	67.4	84.9	90.2	93.7	95.9	96.4	97.1	97.8	98.0	98.0	98.2	98.3	98.4
GE 400	45.6	46.0	60.1	67.4	84.9	90.2	93.7	95.9	96.4	97.1	97.8	98.2	98.2	98.3	98.4	98.7
GE 300	45.6	46.0	60.1	67.4	84.9	90.2	93.7	95.9	96.4	97.1	97.9	98.7	98.7	98.8	99.2	99.6
GE 200	45.6	46.0	60.1	67.4	84.9	90.2	93.7	95.9	96.4	97.1	97.9	98.7	98.7	98.8	99.2	99.7
GE 100	45.6	46.0	60.1	67.4	84.9	90.2	93.7	95.9	96.4	97.1	97.9	98.7	98.7	98.8	99.3	99.9
GE 000	45.6	46.0	60.1	67.4	84.9	90.2	93.7	95.9	96.4	97.1	97.9	98.7	98.7	98.8	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 757

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280 STATION NAME: COLEMAN AAF/MANNHEIM DL PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: - 1 MONTH: SEP HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	24.9	25.2	31.6	35.6	42.7	44.1	45.1	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 20000	28.7	28.9	35.7	40.5	48.7	50.1	51.2	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 18000	28.7	28.9	35.7	40.7	48.8	50.3	51.3	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 16000	28.7	28.9	35.7	40.7	48.8	50.3	51.3	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 14000	28.8	29.1	35.9	40.8	48.9	50.4	51.5	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 12000	29.5	29.7	36.5	41.5	49.6	51.1	52.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 10000	31.5	31.7	38.5	43.6	52.1	53.6	54.7	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 9000	33.1	33.3	40.5	45.6	54.3	55.7	56.8	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 8000	38.5	38.8	46.8	52.1	61.1	62.7	63.9	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 7000	40.3	40.7	49.1	55.1	64.4	66.0	67.2	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 6000	41.1	41.5	49.9	55.9	65.2	66.8	68.0	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 5000	42.7	43.1	51.5	57.6	66.9	68.5	69.7	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 4500	43.9	44.3	53.1	59.3	68.8	70.4	71.6	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 4000	48.8	49.2	59.2	65.7	75.6	77.3	78.5	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 3500	53.5	54.0	64.5	71.1	81.1	82.8	84.0	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 3000	59.3	60.0	71.2	78.3	90.0	91.9	93.2	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 2500	61.1	61.7	73.1	80.3	92.3	94.1	95.5	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 2000	62.0	62.7	74.7	81.9	93.9	95.9	97.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1800	62.0	62.7	74.7	81.9	93.9	95.9	97.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1500	62.0	62.7	74.8	82.3	94.7	96.7	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	62.0	62.7	74.8	82.3	94.7	96.7	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	62.0	62.7	74.8	82.3	94.7	96.7	98.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	62.0	62.7	74.8	82.3	94.7	96.7	98.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	62.0	62.7	74.8	82.3	94.9	97.1	98.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	62.0	62.7	74.8	82.3	95.1	97.2	98.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	62.0	62.7	74.8	82.3	95.1	97.2	98.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	62.0	62.7	74.8	82.3	95.2	97.5	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	62.0	62.7	74.8	82.3	95.3	97.6	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	62.0	62.7	74.8	82.3	95.3	97.6	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	62.0	62.7	74.8	82.3	95.3	97.6	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	62.0	62.7	74.8	82.3	95.3	97.6	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	62.0	62.7	74.8	82.3	95.3	97.6	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 750

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	30.4	30.4	36.7	39.7	44.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
GE 20000	34.6	34.8	41.8	45.4	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
GE 18000	34.6	34.8	41.8	45.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 16000	34.6	34.8	41.8	45.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 14000	34.8	34.9	41.9	45.6	51.5	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 12000	35.1	35.2	42.2	45.9	51.8	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 10000	38.1	38.4	45.4	49.6	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 9000	40.5	40.8	47.7	52.1	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 8000	45.3	45.7	54.0	58.8	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 7000	47.6	48.2	56.9	61.7	68.4	68.7	68.7	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 6000	48.6	49.2	57.9	62.9	69.6	69.9	69.9	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 5000	51.8	52.5	61.3	66.4	73.1	73.4	73.4	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 4500	53.1	53.9	62.6	67.8	74.5	74.8	74.8	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 4000	59.1	59.8	69.3	74.7	82.2	82.5	82.5	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 3500	62.9	63.6	73.9	79.3	87.2	87.5	87.5	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 3000	69.3	70.0	80.8	86.3	94.6	94.9	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 2500	70.3	71.0	82.1	87.6	96.2	96.5	96.5	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 2000	70.7	71.5	82.8	88.4	97.2	97.5	97.5	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1800	70.7	71.5	82.8	88.4	97.2	97.5	97.5	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1500	70.7	71.5	83.0	88.6	97.7	98.0	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1200	70.7	71.5	83.1	88.8	97.8	98.1	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1000	70.7	71.5	83.1	88.8	98.0	98.3	98.3	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	70.7	71.5	83.1	88.8	98.0	98.3	98.3	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	70.7	71.5	83.1	88.8	98.5	98.8	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	70.7	71.5	83.1	88.8	98.8	99.1	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	70.7	71.5	83.1	88.8	98.8	99.1	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	70.7	71.5	83.1	88.8	98.8	99.1	99.1	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 400	70.7	71.5	83.1	88.8	98.8	99.1	99.1	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 300	70.7	71.5	83.1	88.8	98.8	99.1	99.1	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	70.7	71.5	83.1	88.8	98.8	99.1	99.1	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	70.7	71.5	83.1	88.8	98.8	99.1	99.1	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 000	70.7	71.5	83.1	88.8	98.8	99.1	99.1	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 687

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	34.5	34.9	41.6	45.7	49.2	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 20000	36.5	36.9	44.2	48.4	53.1	53.5	53.6	53.6	53.6	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 18000	36.7	37.1	44.3	48.7	53.5	53.8	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 16000	36.7	37.1	44.3	48.7	53.5	53.8	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 14000	36.9	37.2	44.5	48.9	53.6	54.0	54.1	54.1	54.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 12000	36.9	37.2	44.5	48.9	54.3	54.7	54.8	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 10000	40.3	40.6	47.9	52.6	58.2	58.5	58.7	58.7	58.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 9000	42.5	42.8	50.4	55.2	60.7	61.1	61.3	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 8000	47.9	48.2	56.9	61.6	68.0	68.4	68.5	68.5	68.5	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 7000	50.1	50.4	59.6	64.5	70.9	71.2	71.4	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 6000	51.9	52.3	61.4	66.3	72.8	73.1	73.3	73.3	73.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 5000	55.8	56.3	65.8	71.1	77.5	77.8	78.0	78.0	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 4500	57.4	57.9	67.5	72.8	79.2	79.5	79.7	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 4000	62.9	63.5	73.3	78.8	85.4	85.8	86.0	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 3500	66.3	67.0	77.5	83.2	89.8	90.2	90.4	90.4	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 3000	69.2	70.1	82.1	88.5	95.8	96.1	96.3	96.4	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 2500	69.7	70.6	83.4	89.8	97.1	97.5	97.6	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2000	70.1	70.9	83.8	90.4	97.8	98.1	98.3	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1800	70.1	70.9	83.8	90.5	98.0	98.3	98.5	98.6	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1500	70.1	70.9	83.8	90.5	98.0	98.3	98.5	98.6	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	70.1	70.9	83.8	90.5	98.0	98.3	98.5	98.6	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	70.1	70.9	83.8	90.5	98.0	98.3	98.5	98.6	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	70.1	70.9	83.8	90.5	98.0	98.3	98.5	98.6	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	70.1	70.9	83.8	90.5	98.5	98.8	99.2	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	70.1	70.9	83.8	90.5	98.5	98.8	99.2	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	70.1	70.9	83.8	90.5	98.5	98.8	99.2	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	70.1	70.9	83.8	90.5	98.5	98.8	99.2	99.3	99.3	99.7	99.7	99.8	99.8	99.8	99.8	99.8
GE 400	70.1	70.9	83.8	90.5	98.5	98.8	99.2	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 300	70.1	70.9	83.8	90.5	98.5	98.8	99.2	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 200	70.1	70.9	83.8	90.5	98.5	98.8	99.2	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 100	70.1	70.9	83.8	90.5	98.5	98.8	99.2	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 000	70.1	70.9	83.8	90.5	98.5	98.8	99.2	99.3	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 591

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	40.0	42.3	46.0	53.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 20000	41.4	43.7	47.9	54.9	58.6	59.1	59.1	59.5	59.5	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 18000	41.4	43.7	47.9	54.9	58.6	59.1	59.1	59.5	59.5	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 16000	41.4	43.7	47.9	54.9	58.6	59.1	59.1	59.5	59.5	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 14000	41.4	43.7	47.9	54.9	58.6	59.1	59.1	59.5	59.5	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 12000	41.4	43.7	47.9	54.9	59.1	59.5	59.5	60.0	60.0	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 10000	42.8	45.1	49.8	57.7	61.9	62.3	62.3	62.8	62.8	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 9000	46.5	48.8	53.5	61.4	66.5	67.0	67.0	67.4	67.4	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 8000	52.6	55.3	60.0	68.4	73.5	74.0	74.4	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 7000	54.4	57.7	62.3	70.7	75.8	76.3	76.7	77.2	77.2	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 6000	55.3	58.6	63.3	71.6	76.7	77.2	77.7	78.1	78.1	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 5000	59.1	62.3	67.0	75.3	80.5	80.9	81.4	81.9	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 4500	60.0	63.3	67.9	76.3	81.4	81.9	82.3	82.8	82.8	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 4000	65.1	68.4	73.0	81.9	87.0	87.4	87.9	88.4	88.4	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 3500	67.4	70.7	75.8	85.1	90.7	91.2	91.6	92.1	92.1	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 3000	71.2	74.4	80.9	90.2	96.3	96.7	97.2	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2500	72.6	75.8	82.3	91.6	97.7	98.1	98.6	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 2000	72.6	75.8	82.3	91.6	98.1	98.6	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	72.6	75.8	82.3	91.6	98.1	98.6	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	72.6	75.8	82.3	91.6	98.1	98.6	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	72.6	75.8	82.3	91.6	98.1	98.6	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	72.6	75.8	82.3	91.6	98.1	98.6	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	72.6	75.8	82.3	91.6	98.1	98.6	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	72.6	75.8	82.3	91.6	98.1	98.6	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	72.6	75.8	82.3	91.6	98.1	98.6	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	72.6	75.8	82.3	91.6	98.1	98.6	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	72.6	75.8	82.3	91.6	98.1	98.6	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	72.6	75.8	82.3	91.6	98.1	98.6	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	72.6	75.8	82.3	91.6	98.1	98.6	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	72.6	75.8	82.3	91.6	98.1	98.6	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	72.6	75.8	82.3	91.6	98.1	98.6	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	72.6	75.8	82.3	91.6	98.1	98.6	99.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 215

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280 STATION NAME: COLEMAN AAF/MANNHEIM DL PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: - 1 MONTH: SEP HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	24.6	24.9	31.1	34.9	41.9	43.7	44.7	45.5	45.7	45.9	46.1	46.5	46.5	46.6	46.7	47.0
GE 20000	27.3	27.6	34.5	38.7	46.6	48.5	49.6	50.5	50.6	51.0	51.1	51.6	51.6	51.7	51.9	52.2
GE 18000	27.3	27.6	34.5	38.8	46.8	48.7	49.8	50.7	50.9	51.3	51.4	51.8	51.8	52.0	52.1	52.5
GE 16000	27.3	27.6	34.5	38.8	46.8	48.7	49.8	50.8	50.9	51.3	51.4	51.8	51.9	52.0	52.1	52.5
GE 14000	27.4	27.7	34.6	38.9	46.9	48.8	49.9	50.8	51.0	51.4	51.5	51.9	51.9	52.1	52.2	52.6
GE 12000	27.6	28.0	34.9	39.3	47.3	49.3	50.4	51.3	51.5	51.8	52.0	52.4	52.4	52.5	52.7	53.0
GE 10000	30.1	30.5	37.7	42.3	50.7	52.7	53.9	54.8	54.9	55.3	55.5	55.9	55.9	56.0	56.2	56.5
GE 9000	31.8	32.2	39.6	44.2	52.8	54.8	55.9	56.8	57.0	57.4	57.5	57.9	58.0	58.1	58.2	58.6
GE 8000	36.4	36.8	45.0	50.0	59.4	61.4	62.8	63.8	63.9	64.3	64.5	64.9	64.9	65.0	65.2	65.5
GE 7000	38.2	38.7	47.1	52.3	62.1	64.2	65.5	66.6	66.8	67.2	67.3	67.7	67.8	67.9	68.0	68.4
GE 6000	39.0	39.5	48.0	53.1	63.0	65.0	66.4	67.5	67.7	68.0	68.2	68.6	68.6	68.8	68.9	69.3
GE 5000	41.1	41.6	50.4	55.7	65.8	68.0	69.3	70.4	70.6	71.0	71.1	71.5	71.6	71.7	71.8	72.2
GE 4500	42.1	42.7	51.7	57.1	67.3	69.5	70.9	71.9	72.1	72.5	72.7	73.1	73.1	73.2	73.4	73.7
GE 4000	46.8	47.4	57.1	62.9	73.6	76.0	77.4	78.5	78.7	79.1	79.3	79.7	79.8	79.9	80.0	80.4
GE 3500	50.1	50.8	61.2	67.1	78.3	80.7	82.2	83.3	83.6	83.9	84.2	84.6	84.6	84.8	84.9	85.3
GE 3000	55.0	55.7	67.1	73.4	85.7	88.3	89.9	91.1	91.3	91.7	92.0	92.4	92.4	92.6	92.7	93.1
GE 2500	56.1	56.9	68.6	75.0	87.5	90.2	91.8	93.0	93.2	93.6	93.8	94.3	94.4	94.5	94.6	95.0
GE 2000	56.7	57.5	69.5	76.0	88.7	91.4	93.1	94.3	94.5	94.9	95.2	95.6	95.7	95.8	96.0	96.3
GE 1800	56.8	57.6	69.5	76.0	88.7	91.5	93.1	94.3	94.6	95.0	95.2	95.6	95.7	95.9	96.0	96.4
GE 1500	56.8	57.6	69.7	76.3	89.2	92.0	93.7	95.0	95.3	95.7	96.0	96.4	96.5	96.6	96.8	97.1
GF 1200	56.9	57.7	69.8	76.3	89.3	92.2	93.8	95.1	95.5	95.9	96.1	96.6	96.7	96.8	96.9	97.3
GE 1000	56.9	57.7	69.8	76.4	89.4	92.4	94.1	95.5	95.9	96.3	96.6	97.0	97.1	97.2	97.4	97.7
GE 900	56.9	57.7	69.8	76.4	89.4	92.4	94.1	95.5	95.9	96.4	96.6	97.1	97.2	97.3	97.4	97.8
GE 800	56.9	57.7	69.8	76.4	89.7	92.7	94.4	95.9	96.2	96.7	97.0	97.4	97.5	97.7	97.8	98.2
GE 700	56.9	57.7	69.8	76.4	89.8	92.8	94.5	96.0	96.4	96.8	97.1	97.5	97.7	97.8	98.0	98.3
GE 600	56.9	57.7	69.8	76.4	89.8	92.8	94.6	96.0	96.4	96.9	97.2	97.7	97.8	97.9	98.1	98.4
GE 500	56.9	57.7	69.8	76.4	89.9	93.0	94.7	96.1	96.5	97.0	97.3	97.8	98.0	98.1	98.3	98.6
GE 400	56.9	57.7	69.8	76.4	89.9	93.0	94.7	96.2	96.5	97.0	97.4	97.9	98.0	98.2	98.3	98.8
GE 300	56.9	57.7	69.8	76.4	89.9	93.0	94.7	96.2	96.6	97.1	97.5	98.1	98.3	98.4	98.7	99.3
GE 200	56.9	57.7	69.8	76.4	89.9	93.0	94.7	96.2	96.6	97.1	97.5	98.1	98.3	98.4	98.7	99.5
GE 100	56.9	57.7	69.8	76.4	89.9	93.0	94.7	96.2	96.6	97.1	97.5	98.2	98.3	98.5	98.8	99.9
GE 000	56.9	57.7	69.8	76.4	89.9	93.0	94.7	96.2	96.6	97.1	97.5	98.2	98.3	98.5	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 3918

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 20000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 18000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 16000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 14000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 12000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 10000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 9000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 8000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 7000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 6000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 5000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 4500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 4000	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	11.2	11.4	14.6	16.6	19.7	20.3	21.8	23.2	23.6	23.8	24.1	25.1	25.4	25.6	26.7	28.4
GE 20000	11.2	11.4	14.8	17.1	20.9	21.5	22.9	24.5	24.9	25.1	25.5	26.5	26.9	27.4	28.4	30.1
GE 18000	11.2	11.4	14.8	17.1	20.9	21.5	22.9	24.5	24.9	25.1	25.5	26.5	26.9	27.4	28.4	30.1
GE 16000	11.2	11.4	14.8	17.1	20.9	21.5	22.9	24.5	24.9	25.1	25.5	26.5	26.9	27.5	28.5	30.3
GE 14000	11.4	11.5	15.0	17.3	21.0	21.6	23.1	24.6	25.1	25.2	25.6	26.7	27.1	27.7	28.7	30.4
GE 12000	11.5	11.7	15.3	17.6	21.5	22.0	23.6	25.2	25.6	25.8	26.2	27.2	27.7	28.2	29.3	31.0
GE 10000	12.7	12.8	16.7	19.0	23.3	23.9	25.5	27.2	27.7	27.8	28.2	29.3	29.7	30.3	31.3	33.0
GE 9000	13.5	13.7	17.9	20.2	24.5	25.1	26.7	28.5	29.0	29.1	29.5	30.5	31.0	31.6	32.6	34.3
GE 8000	16.6	16.7	21.8	24.8	30.1	31.0	33.0	35.6	36.5	36.7	37.3	38.3	38.8	39.3	40.3	42.1
GE 7000	17.3	17.4	23.1	26.2	32.7	34.0	36.0	38.6	39.5	39.8	40.3	41.4	41.8	42.4	43.4	45.1
GE 6000	17.4	17.6	23.3	26.8	33.7	35.0	37.0	39.6	40.5	40.8	41.4	42.4	42.8	43.4	44.4	46.1
GE 5000	18.6	18.7	24.9	28.4	35.6	36.9	38.9	41.5	42.5	43.1	43.7	44.7	45.1	45.7	46.7	48.4
GE 4500	20.2	20.3	26.8	30.3	37.5	38.9	41.1	43.7	44.7	45.2	45.8	46.8	47.3	47.8	48.8	50.6
GE 4000	23.8	23.9	31.1	35.2	43.7	45.5	47.7	50.7	51.7	52.4	53.0	54.0	54.5	55.0	56.2	57.9
GE 3500	25.9	26.1	33.4	38.3	48.1	50.1	52.3	55.3	56.3	57.1	57.6	58.6	59.1	59.8	61.0	62.7
GE 3000	30.4	30.8	39.3	44.8	55.8	58.2	60.7	63.8	64.8	65.9	66.4	67.6	68.2	68.9	70.2	71.9
GE 2500	31.7	32.1	40.8	46.7	58.8	61.4	63.8	67.3	68.3	69.3	69.9	71.2	71.8	72.5	73.8	75.5
GE 2000	33.3	33.7	42.9	49.7	62.5	65.3	68.2	71.6	72.6	73.8	74.5	75.6	76.4	77.4	78.7	80.4
GE 1800	33.6	34.0	43.2	50.0	63.4	66.6	69.5	72.9	73.9	75.2	75.9	77.2	77.8	78.8	80.1	81.8
GE 1500	33.9	34.3	43.5	50.4	64.8	69.0	71.9	75.4	76.4	77.7	78.4	79.7	80.3	81.3	82.6	84.3
GE 1200	33.9	34.3	43.5	50.4	65.0	69.2	72.0	75.5	76.5	77.8	78.7	80.0	80.5	81.7	83.0	85.0
GE 1000	33.9	34.3	43.5	50.4	65.1	69.3	72.3	75.9	76.9	78.4	79.3	80.7	81.4	82.6	83.9	86.0
GE 900	33.9	34.3	43.5	50.4	65.1	69.3	72.3	75.9	76.9	78.4	79.3	80.7	81.4	82.6	83.9	86.0
GE 800	33.9	34.3	43.5	50.4	65.1	69.3	72.3	75.9	76.9	78.4	79.3	80.7	81.4	82.6	83.9	86.0
GE 700	33.9	34.3	43.5	50.4	65.1	69.6	72.6	76.5	77.5	79.0	79.8	81.3	82.0	83.1	84.4	86.6
GE 600	33.9	34.3	43.5	50.4	65.1	69.6	72.6	76.8	77.8	79.2	80.3	81.7	82.4	83.6	85.0	87.2
GE 500	33.9	34.3	43.5	50.4	65.1	69.7	72.8	76.9	78.0	79.5	80.5	82.3	83.1	84.3	85.7	87.9
GE 400	33.9	34.3	43.5	50.4	65.1	69.9	72.9	77.1	78.1	79.8	80.8	82.6	83.4	84.6	86.2	89.9
GE 300	33.9	34.3	43.5	50.4	65.1	69.9	72.9	77.2	78.2	80.1	81.6	83.3	84.4	85.9	87.6	93.5
GE 200	33.9	34.3	43.5	50.4	65.1	69.9	72.9	77.2	78.2	80.3	82.0	84.0	85.2	86.9	88.5	97.3
GE 100	33.9	34.3	43.5	50.4	65.1	69.9	72.9	77.2	78.2	80.3	82.0	84.1	85.3	87.5	89.6	99.4
GE 000	33.9	34.3	43.5	50.4	65.1	69.9	72.9	77.2	78.2	80.3	82.0	84.1	85.3	87.5	89.6	100.0

TOTAL NUMBER OF OBSERVATIONS 694

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	11.3	11.6	15.3	17.0	21.8	23.0	24.6	25.2	25.4	25.9	26.1	26.6	26.7	27.0	27.5	28.0
GE 20000	12.0	12.4	16.3	18.2	24.1	25.6	27.1	27.7	28.0	28.5	28.6	29.1	29.2	29.5	30.0	30.5
GE 18000	12.0	12.4	16.3	18.2	24.1	25.6	27.1	27.7	28.0	28.5	28.6	29.1	29.2	29.5	30.0	30.5
GE 16000	12.0	12.4	16.3	18.2	24.1	25.6	27.1	27.7	28.0	28.5	28.6	29.1	29.2	29.5	30.0	30.5
GE 14000	12.0	12.4	16.3	18.2	24.1	25.6	27.1	27.7	28.0	28.5	28.6	29.1	29.2	29.5	30.0	30.5
GE 12000	12.0	12.4	16.5	18.4	24.2	25.7	27.2	27.8	28.1	28.6	28.7	29.2	29.4	29.7	30.3	30.8
GE 10000	13.0	13.4	17.6	19.9	27.0	28.5	30.0	30.6	30.9	31.4	31.5	32.0	32.2	32.5	33.0	33.5
GE 9000	13.7	14.1	18.6	21.1	28.5	30.3	31.8	32.4	32.7	33.2	33.3	33.8	33.9	34.3	34.8	35.3
GE 8000	15.7	16.2	20.9	24.1	32.7	34.6	36.5	37.6	38.0	38.5	38.6	39.2	39.5	39.9	40.4	40.9
GE 7000	18.2	19.1	24.6	28.1	37.3	39.2	41.1	42.4	42.8	43.3	43.4	44.1	44.3	44.7	45.2	45.7
GE 6000	18.7	19.6	25.1	29.0	38.4	40.3	42.2	43.4	43.8	44.3	44.6	45.2	45.4	45.8	46.3	46.8
GE 5000	19.5	20.4	26.1	30.3	40.0	41.9	44.1	45.3	45.7	46.2	46.5	47.1	47.3	47.7	48.2	48.7
GE 4500	20.4	21.3	27.3	31.5	41.4	43.3	45.4	46.7	47.1	47.6	47.8	48.5	48.7	49.1	49.6	50.1
GE 4000	24.8	25.7	32.5	37.8	48.7	51.0	53.4	55.1	55.4	55.9	56.3	57.1	57.3	57.7	58.2	58.7
GE 3500	27.6	28.6	36.1	41.9	54.1	56.6	59.2	61.0	61.4	61.9	62.4	63.2	63.4	63.8	64.3	64.8
GE 3000	33.8	34.8	43.2	49.9	63.3	65.8	68.9	71.0	71.4	72.4	72.9	73.8	74.1	74.4	74.9	75.4
GE 2500	35.2	36.3	44.9	52.0	65.8	68.6	71.8	73.9	74.3	75.3	75.9	76.8	77.1	77.5	78.0	78.5
GE 2000	36.3	37.5	46.5	53.9	69.1	72.4	75.8	78.6	79.1	80.1	80.9	81.8	82.0	82.4	82.9	83.4
GE 1800	36.3	37.5	46.6	54.1	69.7	73.3	76.7	79.5	80.1	81.3	82.0	82.9	83.2	83.5	84.1	84.6
GE 1500	36.5	37.6	47.1	54.6	71.6	75.7	79.1	81.9	82.7	83.9	84.7	85.6	85.8	86.2	86.7	87.2
GE 1200	36.8	38.0	47.5	54.9	72.2	76.5	80.0	83.0	84.1	85.3	86.1	87.1	87.3	87.7	88.2	88.7
GE 1000	36.8	38.0	47.5	54.9	72.4	76.8	80.6	83.7	84.7	86.2	87.1	88.1	88.4	88.7	89.2	89.7
GE 900	36.8	38.0	47.5	54.9	72.5	77.0	80.8	83.8	84.8	86.3	87.2	88.2	88.5	88.9	89.4	89.9
GE 800	36.8	38.0	47.5	54.9	72.5	77.0	80.8	83.9	84.9	86.5	87.3	88.4	88.6	89.0	89.5	90.0
GE 700	36.8	38.0	47.5	54.9	72.5	77.0	80.9	84.1	85.1	86.6	87.6	88.6	88.9	89.2	89.7	90.3
GE 600	36.8	38.0	47.5	54.9	72.5	77.0	81.0	84.2	85.2	86.7	87.7	88.9	89.1	89.5	90.0	90.5
GE 500	36.8	38.0	47.5	54.9	72.5	77.0	81.0	84.3	85.4	87.1	88.5	89.6	89.9	90.3	90.8	91.3
GE 400	36.8	38.0	47.5	54.9	72.5	77.0	81.0	84.6	85.7	87.6	89.0	90.4	90.6	91.0	91.6	92.5
GE 300	36.8	38.0	47.5	54.9	72.5	77.0	81.0	84.6	85.7	87.6	89.5	91.0	91.5	92.4	93.0	96.5
GE 200	36.8	38.0	47.5	54.9	72.5	77.0	81.0	84.6	85.8	87.7	90.5	92.2	92.7	93.7	94.6	98.6
GE 100	36.8	38.0	47.5	54.9	72.5	77.0	81.0	84.6	85.8	87.7	90.5	92.2	92.7	93.9	94.8	99.6
GE 000	36.8	38.0	47.5	54.9	72.5	77.0	81.0	84.6	85.8	87.7	90.5	92.2	92.7	93.9	94.8	100.0

TOTAL NUMBER OF OBSERVATIONS 790

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	14.5	14.6	17.9	21.8	26.2	28.0	29.3	30.2	30.5	30.5	30.5	30.6	30.6	30.6	30.7	30.7
GE 20000	17.3	17.5	21.0	25.4	30.3	32.4	33.7	34.8	35.1	35.1	35.1	35.3	35.5	35.5	35.6	35.6
GE 18000	17.3	17.5	21.0	25.4	30.3	32.4	33.7	34.8	35.1	35.1	35.1	35.3	35.5	35.5	35.6	35.6
GE 16000	17.3	17.5	21.0	25.4	30.3	32.4	33.7	34.8	35.1	35.1	35.1	35.3	35.5	35.5	35.6	35.6
GE 14000	17.3	17.5	21.0	25.4	30.3	32.4	33.7	34.8	35.1	35.1	35.1	35.3	35.5	35.5	35.6	35.6
GE 12000	17.5	17.8	21.3	25.7	30.9	32.9	34.2	35.3	35.6	35.6	35.6	35.9	36.0	36.0	36.1	36.1
GE 10000	18.2	18.4	22.0	26.9	32.5	34.7	36.1	37.3	37.5	37.5	37.5	37.8	37.9	37.9	38.0	38.0
GE 9000	19.2	19.5	23.2	28.7	34.3	36.6	38.2	39.3	39.6	39.6	39.6	39.8	39.9	39.9	40.1	40.1
GE 8000	21.4	21.8	25.6	31.1	37.9	40.5	42.0	43.4	43.8	43.8	43.8	44.0	44.2	44.2	44.3	44.3
GE 7000	23.3	23.9	27.8	33.4	40.6	43.3	44.8	46.2	46.6	46.6	46.6	46.9	47.0	47.0	47.1	47.1
GE 6000	23.6	24.2	28.3	34.2	41.4	44.2	45.7	47.1	47.5	47.5	47.5	47.8	47.9	47.9	48.0	48.0
GE 5000	25.7	26.5	30.7	36.6	43.8	46.7	48.3	49.7	50.1	50.2	50.2	50.4	50.6	50.6	50.7	50.7
GE 4500	27.1	28.0	32.7	38.5	45.8	48.8	50.4	51.9	52.2	52.4	52.4	52.6	52.8	52.8	52.9	52.9
GE 4000	32.7	33.8	39.6	46.1	54.0	57.1	58.8	60.2	60.6	60.7	60.7	60.9	61.1	61.1	61.2	61.2
GE 3500	36.5	37.6	43.9	50.7	58.8	62.1	63.9	65.7	66.1	66.2	66.2	66.5	66.6	66.6	66.7	66.7
GE 3000	44.8	46.5	53.6	61.2	70.9	74.9	76.8	79.1	79.6	79.8	79.8	80.0	80.2	80.2	80.3	80.3
GE 2500	46.7	48.4	56.1	63.8	73.9	78.0	80.2	82.5	83.0	83.2	83.2	83.5	83.6	83.6	83.7	83.7
GE 2000	49.3	51.0	59.0	66.8	78.5	83.0	85.4	87.8	88.3	88.6	88.7	89.0	89.1	89.1	89.2	89.2
GE 1800	49.4	51.1	59.2	67.0	79.3	83.7	86.3	88.7	89.2	89.5	89.6	89.9	90.0	90.0	90.1	90.1
GE 1500	49.6	51.2	59.3	67.3	80.4	85.4	88.1	90.7	91.3	91.5	91.7	91.9	92.1	92.1	92.2	92.2
GE 1200	49.8	51.5	59.9	68.0	81.2	86.2	88.9	91.4	92.2	92.4	92.6	92.8	93.0	93.0	93.1	93.1
GE 1000	49.9	51.6	60.1	68.1	81.4	86.4	89.1	91.9	92.7	93.0	93.1	93.5	93.6	93.6	93.7	93.7
GE 900	49.9	51.6	60.1	68.1	81.4	86.4	89.1	92.2	93.0	93.2	93.3	93.7	93.9	93.9	94.0	94.0
GE 800	49.9	51.6	60.1	68.1	81.4	86.6	89.4	92.6	93.3	93.6	93.7	94.1	94.2	94.2	94.4	94.4
GE 700	49.9	51.6	60.1	68.1	81.4	86.6	89.5	92.7	93.5	93.7	93.9	94.2	94.4	94.4	94.5	94.5
GE 600	49.9	51.6	60.1	68.1	81.4	86.7	89.6	92.8	93.7	94.0	94.2	94.9	95.0	95.0	95.1	95.1
GE 500	49.9	51.6	60.1	68.1	81.4	86.7	89.6	93.1	94.1	94.4	94.8	95.4	95.5	95.6	96.0	96.0
GE 400	49.9	51.6	60.1	68.1	81.6	86.8	89.8	93.3	94.4	94.9	95.8	96.4	96.5	96.7	97.1	97.1
GE 300	49.9	51.6	60.1	68.1	81.6	86.8	89.8	93.5	94.5	95.0	96.4	97.4	97.7	97.8	98.2	99.2
GE 200	49.9	51.6	60.1	68.1	81.6	86.8	89.8	93.5	94.5	95.0	96.7	98.2	98.5	98.6	99.0	100.0
GE 100	49.9	51.6	60.1	68.1	81.6	86.8	89.8	93.5	94.5	95.0	96.7	98.2	98.5	98.6	99.0	100.0
GE 000	49.9	51.6	60.1	68.1	81.6	86.8	89.8	93.5	94.5	95.0	96.7	98.2	98.5	98.6	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 781

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	20.4	21.6	27.5	29.8	36.5	37.7	38.3	38.5	38.7	38.7	38.7	38.7	38.7	38.7	38.8	38.8
GE 20000	23.8	25.3	31.3	34.0	41.4	42.6	43.3	43.6	43.9	43.9	44.0	44.0	44.0	44.0	44.1	44.1
GE 18000	23.8	25.3	31.3	34.0	41.5	42.8	43.4	43.7	44.0	44.0	44.1	44.1	44.1	44.1	44.3	44.3
GE 16000	23.8	25.3	31.3	34.0	41.5	42.8	43.4	43.7	44.0	44.0	44.1	44.1	44.1	44.1	44.3	44.3
GE 14000	23.8	25.3	31.3	34.0	41.5	42.8	43.4	43.7	44.0	44.0	44.1	44.1	44.1	44.1	44.3	44.3
GE 12000	24.2	25.7	31.7	34.4	41.9	43.2	43.9	44.1	44.4	44.4	44.5	44.5	44.5	44.5	44.7	44.7
GE 10000	26.4	27.9	33.9	37.0	44.8	46.0	46.7	47.0	47.3	47.3	47.4	47.4	47.4	47.4	47.5	47.5
GE 9000	27.7	29.2	35.4	38.5	46.7	48.0	48.6	48.9	49.2	49.2	49.3	49.3	49.3	49.3	49.5	49.5
GE 8000	30.2	31.8	38.0	41.1	50.8	52.2	53.3	53.6	54.0	54.0	54.1	54.1	54.1	54.1	54.2	54.2
GE 7000	32.5	34.3	40.6	44.1	54.1	55.5	56.6	56.8	57.2	57.2	57.4	57.4	57.4	57.4	57.5	57.5
GE 6000	32.7	34.4	41.1	44.7	54.8	56.1	57.2	57.5	57.9	57.9	58.1	58.1	58.1	58.1	58.2	58.2
GE 5000	36.1	37.8	44.9	48.6	59.2	60.5	61.6	61.9	62.3	62.6	62.8	62.8	62.8	62.8	63.0	63.0
GE 4500	37.4	39.2	46.4	50.1	60.8	62.2	63.3	63.5	63.9	64.2	64.5	64.5	64.5	64.5	64.6	64.6
GE 4000	43.2	45.1	53.0	57.4	68.3	69.7	70.8	71.4	71.9	72.1	72.4	72.4	72.4	72.4	72.5	72.5
GE 3500	46.0	48.0	56.3	60.9	72.4	73.8	74.9	75.5	76.0	76.2	76.5	76.5	76.5	76.5	76.6	76.6
GE 3000	53.6	55.5	64.2	69.1	82.0	83.7	84.8	85.7	86.1	86.3	86.6	86.6	86.6	86.6	86.7	86.7
GE 2500	55.1	57.0	65.7	71.3	84.4	86.2	87.3	88.5	88.9	89.2	89.5	89.5	89.5	89.5	89.6	89.6
GE 2000	56.4	58.5	67.2	73.9	87.8	90.0	91.1	92.3	92.8	93.0	93.3	93.3	93.3	93.3	93.4	93.4
GE 1800	56.8	58.9	67.6	74.5	88.7	90.8	91.9	93.2	93.6	93.9	94.1	94.1	94.1	94.1	94.3	94.3
GE 1500	57.0	59.0	67.8	74.6	89.9	92.2	93.3	94.5	94.9	95.2	95.5	95.5	95.5	95.5	95.6	95.6
GE 1200	57.1	59.2	67.9	74.7	90.2	92.5	93.7	94.9	95.4	95.6	95.9	95.9	95.9	95.9	96.0	96.0
GE 1000	57.2	59.3	68.0	74.9	90.3	92.6	93.9	95.1	95.5	95.8	96.0	96.3	96.3	96.3	96.4	96.4
GE 900	57.2	59.3	68.0	74.9	90.3	92.6	93.9	95.1	95.6	95.9	96.2	96.4	96.4	96.4	96.6	96.6
GE 800	57.2	59.3	68.0	74.9	90.3	92.9	94.1	95.4	95.9	96.2	96.4	96.7	96.7	96.7	96.9	96.9
GE 700	57.2	59.3	68.0	74.9	90.4	93.0	94.3	95.6	96.3	96.6	96.9	97.1	97.3	97.3	97.4	97.4
GE 600	57.2	59.3	68.0	74.9	90.6	93.2	94.4	95.8	96.6	96.9	97.3	97.5	97.8	98.0	98.1	98.1
GE 500	57.2	59.3	68.0	74.9	90.6	93.2	94.4	95.8	96.6	97.0	97.5	97.8	98.1	98.2	98.4	98.5
GE 400	57.2	59.3	68.0	74.9	90.7	93.3	94.5	95.9	96.7	97.1	97.8	98.1	98.4	98.5	98.6	98.8
GE 300	57.2	59.3	68.0	74.9	90.7	93.3	94.7	96.0	96.9	97.3	98.1	98.4	98.8	99.0	99.5	99.6
GE 200	57.2	59.3	68.0	74.9	90.7	93.3	94.7	96.0	96.9	97.3	98.5	98.8	99.2	99.5	99.9	100.0
GE 100	57.2	59.3	68.0	74.9	90.7	93.3	94.7	96.0	96.9	97.3	98.5	98.8	99.2	99.5	99.9	100.0
GE 000	57.2	59.3	68.0	74.9	90.7	93.3	94.7	96.0	96.9	97.3	98.5	98.8	99.2	99.5	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 732

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	23.9	25.6	30.0	32.4	38.7	40.2	42.2	42.8	43.1	43.5	43.8	44.1	44.2	44.4	44.4	44.5
GE 20000	25.7	27.9	32.4	34.8	41.6	43.3	45.6	46.2	46.7	47.0	47.3	47.6	47.8	47.9	47.9	48.1
GE 18000	25.7	27.9	32.4	34.8	41.6	43.3	45.6	46.2	46.7	47.0	47.3	47.6	47.8	47.9	47.9	48.1
GE 16000	25.7	27.9	32.4	34.8	41.6	43.3	45.6	46.2	46.7	47.0	47.3	47.6	47.8	47.9	47.9	48.1
GE 14000	25.7	27.9	32.4	34.8	41.6	43.3	45.6	46.2	46.7	47.0	47.3	47.6	47.8	47.9	47.9	48.1
GE 12000	26.0	28.2	32.8	35.3	42.1	43.8	46.1	46.7	47.1	47.5	47.8	48.1	48.2	48.4	48.4	48.5
GE 10000	27.1	29.3	34.1	36.5	43.5	45.1	47.5	48.1	48.5	48.8	49.3	49.8	49.9	50.1	50.1	50.2
GE 9000	27.6	29.7	34.5	37.1	44.1	45.8	48.4	49.0	49.5	49.8	50.2	50.7	50.8	51.0	51.0	51.2
GE 8000	29.6	31.7	36.5	40.1	47.8	50.4	53.0	53.6	54.1	54.4	55.0	55.5	55.6	55.8	55.8	55.9
GE 7000	33.3	35.7	41.1	44.7	52.4	55.3	57.9	58.7	59.2	59.5	60.1	60.6	60.7	60.9	60.9	61.0
GE 6000	33.6	36.1	41.4	45.0	52.7	55.6	58.2	59.0	59.5	59.8	60.4	60.9	61.0	61.2	61.2	61.3
GE 5000	37.3	40.2	46.4	50.4	58.7	61.6	64.3	65.0	65.5	65.8	66.4	67.0	67.3	67.5	67.5	67.6
GE 4500	38.4	41.3	47.5	51.5	59.9	62.9	65.5	66.3	66.7	67.0	67.6	68.3	68.6	68.7	68.7	68.9
GE 4000	43.9	47.0	53.6	57.9	67.3	70.3	72.9	73.7	74.1	74.4	75.0	75.7	76.0	76.1	76.1	76.3
GE 3500	47.0	50.1	57.2	61.5	71.3	74.4	77.0	77.8	78.3	78.6	79.2	79.8	80.1	80.3	80.3	80.4
GE 3000	53.9	57.3	65.5	70.1	80.4	83.5	86.1	86.9	87.4	87.7	88.3	88.9	89.2	89.4	89.4	89.5
GE 2500	54.5	57.9	66.1	70.7	81.8	85.1	87.7	88.4	88.9	89.2	89.8	90.4	90.8	90.9	90.9	91.1
GE 2000	55.3	58.7	67.3	72.1	85.1	88.3	91.4	92.8	93.2	93.5	94.1	94.8	95.1	95.2	95.2	95.4
GE 1800	55.3	58.7	67.5	72.3	85.2	88.4	91.5	92.9	93.4	93.7	94.3	94.9	95.2	95.4	95.4	95.5
GE 1500	55.3	58.7	67.5	72.6	85.7	88.9	92.3	93.7	94.1	94.5	95.1	95.7	96.0	96.1	96.1	96.3
GE 1200	55.3	58.7	67.6	72.7	86.3	89.5	92.9	94.3	94.8	95.1	95.7	96.3	96.6	96.8	96.8	96.9
GE 1000	55.3	58.7	67.6	72.7	86.4	89.8	93.2	94.6	95.1	95.4	96.0	96.6	96.9	97.1	97.1	97.2
GE 900	55.3	58.7	67.6	72.7	86.4	89.8	93.2	94.8	95.2	95.5	96.1	96.8	97.1	97.2	97.2	97.4
GE 800	55.3	58.7	67.6	72.7	86.6	90.0	93.4	94.9	95.4	95.7	96.3	96.9	97.2	97.4	97.4	97.5
GE 700	55.3	58.7	67.6	72.7	86.6	90.0	93.4	94.9	95.4	95.7	96.6	97.2	97.5	97.7	97.7	97.8
GE 600	55.3	58.7	67.6	72.7	86.6	90.0	93.4	94.9	95.4	95.7	96.9	97.5	97.8	98.2	98.2	98.3
GE 500	55.3	58.7	67.6	72.7	86.7	90.1	93.5	95.1	95.5	95.8	97.1	97.7	98.0	98.3	98.3	98.5
GE 400	55.3	58.7	67.6	72.7	86.7	90.1	93.5	95.1	95.5	95.8	97.1	97.7	98.2	98.5	98.5	98.6
GE 300	55.3	58.7	67.6	72.7	86.7	90.1	93.5	95.1	95.5	95.8	97.1	97.7	98.3	98.6	98.6	98.9
GE 200	55.3	58.7	67.6	72.7	86.7	90.1	93.5	95.1	95.5	95.8	97.1	97.7	98.3	98.6	98.6	98.9
GE 100	55.3	58.7	67.6	72.7	86.7	90.1	93.5	95.1	95.5	95.8	97.1	97.7	98.3	98.8	98.8	99.8
GE 000	55.3	58.7	67.6	72.7	86.7	90.1	93.5	95.1	95.5	95.8	97.1	97.7	98.3	98.8	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 649

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	28.5	29.6	32.9	35.1	41.4	43.4	45.0	45.3	46.4	46.4	46.4	47.0	47.0	47.0	47.0	47.5
GE 20000	29.6	30.7	34.0	36.5	42.8	44.8	46.7	47.0	48.1	48.1	48.1	48.6	48.6	48.6	48.6	49.2
GE 18000	29.6	30.7	34.0	36.5	42.8	44.8	46.7	47.0	48.1	48.1	48.1	48.6	48.6	48.6	48.6	49.2
GE 16000	29.6	30.7	34.0	36.5	42.8	44.8	46.7	47.0	48.1	48.1	48.1	48.6	48.6	48.6	48.6	49.2
GE 14000	29.6	30.7	34.0	36.5	42.8	44.8	46.7	47.0	48.1	48.1	48.1	48.6	48.6	48.6	48.6	49.2
GE 12000	29.8	30.9	34.8	37.3	43.6	45.6	47.5	47.8	48.9	48.9	48.9	49.4	49.4	49.4	49.4	50.0
GE 10000	30.7	31.8	35.6	38.1	44.5	46.4	48.3	48.6	49.7	49.7	49.7	50.3	50.3	50.3	50.3	50.8
GE 9000	31.8	33.4	37.6	40.1	46.4	48.3	50.3	50.6	51.7	51.7	51.7	52.2	52.2	52.2	52.2	52.8
GE 8000	34.5	36.2	40.6	43.6	50.6	52.5	55.0	55.2	56.4	56.4	56.4	56.9	57.2	57.2	57.2	57.7
GE 7000	38.1	40.1	44.5	47.8	54.7	56.6	59.1	59.4	60.5	60.5	60.5	61.0	61.3	61.3	61.3	61.9
GE 6000	38.4	40.3	44.8	48.1	55.0	57.2	59.7	59.9	61.0	61.0	61.0	61.6	61.9	61.9	61.9	62.4
GE 5000	43.6	45.6	50.0	53.3	61.6	64.4	66.9	67.7	68.8	68.8	68.8	69.3	69.6	69.6	69.6	70.2
GE 4500	44.2	46.1	50.6	54.4	63.0	65.7	68.2	69.1	70.2	70.2	70.2	70.7	71.0	71.0	71.0	71.5
GE 4000	50.3	52.8	58.0	61.9	71.0	73.8	76.2	77.1	78.2	78.2	78.2	78.7	79.0	79.0	79.0	79.6
GE 3500	51.9	54.4	60.8	64.6	74.0	76.8	79.3	80.1	81.2	81.2	81.2	81.8	82.0	82.0	82.0	82.6
GE 3000	55.5	58.0	64.6	68.8	78.5	81.5	84.0	84.8	85.9	85.9	85.9	86.5	86.7	86.7	86.7	87.3
GE 2500	56.1	58.6	65.2	69.6	80.1	83.1	85.6	86.5	87.6	87.6	87.6	88.1	88.4	88.4	88.4	89.0
GE 2000	56.9	59.4	66.6	71.0	82.3	86.5	89.0	90.1	91.2	91.2	91.2	91.7	92.0	92.0	92.0	92.5
GE 1800	56.9	59.4	66.6	71.0	82.3	86.5	89.0	90.3	91.4	91.4	91.4	92.0	92.3	92.3	92.3	92.8
GE 1500	57.7	60.2	68.2	72.7	84.0	88.1	90.6	92.0	93.1	93.1	93.1	93.6	93.9	93.9	93.9	94.5
GE 1200	58.0	60.5	68.5	72.9	84.8	89.0	91.7	93.1	94.2	94.2	94.2	94.8	95.0	95.0	95.0	95.6
GE 1000	58.3	60.8	68.8	73.2	85.1	89.2	92.0	93.4	94.5	94.5	94.5	95.0	95.3	95.3	95.3	95.9
GE 900	58.3	60.8	68.8	73.2	85.1	89.2	92.0	93.4	94.5	94.5	94.5	95.0	95.3	95.3	95.3	95.9
GE 800	58.3	60.8	68.8	73.2	85.1	89.2	92.0	93.6	94.8	94.8	94.8	95.3	95.6	95.6	95.6	96.1
GE 700	58.3	60.8	68.8	73.2	85.1	89.2	92.0	93.6	94.8	94.8	94.8	95.3	95.6	95.6	95.6	96.1
GE 600	58.3	60.8	68.8	73.2	85.1	89.2	92.0	93.6	94.8	94.8	95.0	95.6	95.9	95.9	95.9	96.4
GE 500	58.3	60.8	68.8	73.2	85.1	89.2	92.0	93.9	95.0	95.0	95.3	95.9	96.1	96.1	96.1	96.7
GE 400	58.3	60.8	68.8	73.2	85.1	89.2	92.0	93.9	95.0	95.0	95.3	95.9	96.1	96.1	96.1	96.7
GE 300	58.3	60.8	68.8	73.2	85.1	89.2	92.0	93.9	95.0	95.0	95.3	95.9	96.1	96.1	96.1	96.7
GE 200	58.3	60.8	68.8	73.2	85.1	89.2	92.0	93.9	95.0	95.0	95.3	95.9	96.1	96.1	96.1	97.2
GE 100	58.3	60.8	68.8	73.2	85.1	89.2	92.0	93.9	95.0	95.0	95.3	95.9	96.1	96.4	96.4	98.9
GE 000	58.3	60.8	68.8	73.2	85.1	89.2	92.0	93.9	95.0	95.0	95.3	95.9	96.1	96.4	96.4	100.0

TOTAL NUMBER OF OBSERVATIONS 362

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	17.2	17.9	21.9	24.3	29.5	30.8	32.2	32.9	33.3	33.5	33.6	34.0	34.1	34.2	34.5	35.0
GE 20000	18.9	19.8	23.9	26.7	32.4	33.9	35.4	36.2	36.6	36.8	36.9	37.4	37.5	37.7	38.0	38.5
GE 18000	18.9	19.8	23.9	26.7	32.5	33.9	35.4	36.2	36.6	36.8	37.0	37.4	37.5	37.7	38.0	38.5
GE 16000	18.9	19.8	23.9	26.7	32.5	33.9	35.4	36.2	36.6	36.8	37.0	37.4	37.5	37.7	38.0	38.5
GE 14000	18.9	19.8	23.9	26.7	32.5	34.0	35.4	36.2	36.6	36.8	37.0	37.4	37.6	37.7	38.1	38.5
GE 12000	19.1	20.0	24.3	27.1	32.9	34.4	35.9	36.7	37.1	37.3	37.4	37.9	38.0	38.2	38.5	39.0
GE 10000	20.3	21.2	25.6	28.6	34.9	36.4	38.0	38.8	39.2	39.4	39.6	40.0	40.1	40.3	40.7	41.1
GE 9000	21.2	22.1	26.7	29.9	36.4	38.0	39.6	40.4	40.8	41.0	41.2	41.6	41.8	42.0	42.3	42.8
GE 8000	23.6	24.6	29.4	33.0	40.6	42.5	44.4	45.5	46.0	46.2	46.5	47.0	47.2	47.4	47.7	48.2
GE 7000	25.9	27.1	32.3	36.2	44.2	46.3	48.1	49.3	49.9	50.0	50.3	50.8	51.0	51.2	51.5	52.0
GE 6000	26.2	27.4	32.8	36.8	45.0	47.0	48.9	50.1	50.6	50.8	51.1	51.6	51.8	52.0	52.3	52.8
GE 5000	28.7	30.0	35.7	39.9	48.5	50.6	52.5	53.7	54.3	54.6	54.9	55.4	55.7	55.9	56.2	56.7
GE 4500	29.9	31.2	37.1	41.4	50.1	52.2	54.2	55.4	56.0	56.3	56.6	57.1	57.4	57.6	57.9	58.4
GE 4000	34.9	36.4	43.1	48.0	57.5	59.9	61.9	63.3	63.9	64.2	64.6	65.1	65.3	65.5	65.9	66.3
GE 3500	37.8	39.3	46.5	51.7	61.9	64.4	66.5	68.1	68.6	69.0	69.3	69.9	70.1	70.3	70.6	71.1
GE 3000	44.2	45.9	53.9	59.7	71.0	73.8	76.1	77.9	78.5	79.0	79.3	79.9	80.1	80.3	80.7	81.2
GE 2500	45.5	47.2	55.4	61.5	73.4	76.4	78.7	80.6	81.2	81.7	82.1	82.7	82.9	83.2	83.5	84.0
GE 2000	46.9	48.7	57.3	63.8	77.0	80.3	82.9	85.0	85.7	86.2	86.7	87.3	87.5	87.8	88.2	88.6
GE 1800	47.1	48.9	57.5	64.1	77.6	81.0	83.6	85.8	86.5	87.1	87.5	88.1	88.4	88.6	89.0	89.5
GE 1500	47.3	49.1	57.8	64.5	78.9	82.7	85.4	87.6	88.3	88.9	89.4	90.0	90.2	90.5	90.9	91.3
GE 1200	47.5	49.2	58.1	64.8	79.4	83.3	86.0	88.3	89.1	89.7	90.1	90.8	91.0	91.3	91.7	92.2
GE 1000	47.5	49.3	58.2	64.9	79.6	83.5	86.3	88.7	89.5	90.1	90.6	91.4	91.6	91.9	92.3	92.9
GE 900	47.5	49.3	58.2	64.9	79.6	83.5	86.4	88.8	89.6	90.3	90.8	91.5	91.8	92.1	92.4	93.0
GE 800	47.5	49.3	58.2	64.9	79.6	83.6	86.5	89.0	89.8	90.5	91.0	91.7	92.0	92.3	92.6	93.2
GE 700	47.5	49.3	58.2	64.9	79.7	83.7	86.6	89.2	90.0	90.7	91.3	92.0	92.3	92.6	93.0	93.5
GE 600	47.5	49.3	58.2	64.9	79.7	83.8	86.7	89.3	90.2	90.9	91.6	92.4	92.7	93.1	93.5	94.0
GE 500	47.5	49.3	58.2	64.9	79.7	83.8	86.7	89.5	90.4	91.1	92.0	92.8	93.2	93.6	94.0	94.6
GE 400	47.5	49.3	58.2	64.9	79.8	83.9	86.8	89.6	90.5	91.4	92.4	93.3	93.7	94.0	94.5	95.5
GE 300	47.5	49.3	58.2	64.9	79.8	83.9	86.8	89.7	90.6	91.5	92.8	93.8	94.3	94.9	95.5	97.5
GE 200	47.5	49.3	58.2	64.9	79.8	83.9	86.8	89.7	90.6	91.6	93.2	94.4	94.9	95.5	96.2	98.8
GE 100	47.5	49.3	58.2	64.9	79.8	83.9	86.8	89.7	90.6	91.6	93.2	94.4	94.9	95.7	96.4	99.7
GE 000	47.5	49.3	58.2	64.9	79.8	83.9	86.8	89.7	90.6	91.6	93.2	94.4	94.9	95.7	96.4	100.0

TOTAL NUMBER OF OBSERVATIONS 4010

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	11.6	12.4	16.3	18.0	21.4	22.2	23.7	25.0	25.2	25.3	25.8	26.3	26.3	26.5	26.5	27.8
GE 20000	11.6	12.6	16.7	18.3	21.9	22.9	24.3	25.7	25.8	26.0	26.5	27.0	27.1	27.5	27.5	28.8
GE 18000	11.6	12.6	16.7	18.3	21.9	22.9	24.3	25.7	25.8	26.0	26.5	27.0	27.1	27.5	27.5	28.8
GE 16000	11.6	12.6	16.7	18.3	21.9	22.9	24.3	25.7	25.8	26.0	26.5	27.0	27.1	27.5	27.5	28.8
GE 14000	11.6	12.6	16.7	18.3	21.9	22.9	24.3	25.7	25.8	26.0	26.5	27.0	27.1	27.5	27.5	28.8
GE 12000	11.9	12.9	17.0	18.6	22.2	23.2	24.7	26.0	26.1	26.3	26.8	27.3	27.5	27.8	27.8	29.1
GE 10000	12.3	13.2	17.3	19.0	22.7	23.7	25.2	26.5	26.6	27.0	27.5	28.1	28.3	28.6	28.6	29.9
GE 9000	12.4	13.4	17.5	19.1	23.5	24.5	26.0	27.6	27.8	28.1	28.8	29.4	29.6	29.9	29.9	31.4
GE 8000	14.5	15.5	19.6	21.2	25.8	27.0	28.8	31.2	31.4	31.7	32.7	33.5	33.8	34.2	34.2	35.6
GE 7000	15.7	16.7	21.2	23.0	27.8	28.9	30.7	33.2	33.3	33.7	34.6	35.5	35.8	36.1	36.1	37.6
GE 6000	16.5	17.5	22.7	24.8	30.2	31.4	33.2	35.6	35.8	36.1	37.1	37.9	38.2	38.6	38.6	40.0
GE 5000	18.3	19.3	24.7	27.1	33.2	34.3	36.6	39.2	39.4	39.7	40.7	41.5	42.0	42.3	42.3	43.8
GE 4500	19.1	20.1	25.7	28.1	34.5	35.6	37.9	40.5	40.7	41.0	42.0	42.8	43.3	43.6	43.6	45.1
GE 4000	24.5	25.5	31.9	34.8	42.5	43.8	46.2	49.0	49.3	49.7	50.8	51.6	52.1	52.5	52.5	53.9
GE 3500	26.0	27.0	33.7	36.6	44.9	46.2	49.2	52.0	52.3	53.1	54.2	55.1	55.6	55.9	55.9	57.4
GE 3000	30.2	31.2	39.2	43.5	52.5	54.2	57.8	60.8	61.6	62.4	63.7	64.5	65.0	65.4	65.4	66.8
GE 2500	31.9	32.8	41.0	45.3	54.4	56.2	60.0	62.9	63.7	64.7	66.2	67.0	67.5	67.8	67.8	69.3
GE 2000	34.8	35.8	44.6	49.2	59.3	61.1	65.2	69.1	69.9	70.9	72.4	73.2	73.9	74.2	74.2	75.7
GE 1800	35.1	36.1	45.1	49.7	60.1	61.9	66.0	69.9	70.8	71.7	73.2	74.0	74.7	75.0	75.0	76.5
GE 1500	36.8	37.7	46.9	51.5	62.9	64.9	69.0	73.5	74.3	75.3	77.0	77.8	78.4	78.8	78.8	80.2
GE 1200	36.9	37.9	47.1	51.6	63.4	65.4	69.6	74.3	75.2	76.1	77.8	78.6	79.2	79.6	79.6	81.0
GE 1000	36.9	37.9	47.1	51.6	63.7	65.8	70.3	75.0	75.8	77.1	79.4	80.4	81.0	81.4	81.4	82.8
GE 900	36.9	37.9	47.1	51.6	63.9	66.0	70.6	75.7	76.6	77.9	80.2	81.2	82.0	82.4	82.4	83.8
GE 800	36.9	37.9	47.1	51.6	64.1	66.2	70.8	76.1	77.1	78.4	80.7	81.7	82.5	82.8	82.8	84.5
GE 700	36.9	37.9	47.1	51.6	64.1	66.2	70.8	76.1	77.3	78.6	81.2	82.2	83.0	83.3	83.3	85.0
GE 600	36.9	37.9	47.1	51.6	64.2	66.3	70.9	76.6	77.8	79.1	82.0	83.0	83.8	84.2	84.3	85.9
GE 500	36.9	37.9	47.1	51.6	64.2	66.3	70.9	77.0	78.1	79.7	82.8	83.8	84.6	85.3	85.5	87.1
GE 400	36.9	37.9	47.1	51.6	64.2	66.3	71.1	77.1	78.4	80.6	83.7	84.6	85.5	86.3	86.4	88.2
GE 300	36.9	37.9	47.1	51.6	64.2	66.3	71.1	77.3	78.6	80.9	84.0	85.0	86.1	87.3	88.2	91.5
GE 200	36.9	37.9	47.1	51.6	64.2	66.3	71.1	77.3	78.6	80.9	84.5	85.5	86.6	88.1	89.1	95.6
GE 100	36.9	37.9	47.1	51.6	64.2	66.3	71.1	77.3	78.6	80.9	84.8	85.8	87.1	88.7	90.0	99.3
GE 000	36.9	37.9	47.1	51.6	64.2	66.3	71.1	77.3	78.6	80.9	84.8	85.8	87.1	88.7	90.0	100.0

TOTAL NUMBER OF OBSERVATIONS 612

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	11.2	11.6	15.2	16.4	20.1	21.0	22.0	23.5	23.8	23.8	24.3	24.5	24.5	24.5	24.5	24.6
GE 20000	12.2	12.6	16.7	18.3	22.6	23.6	24.6	26.2	26.5	26.7	27.2	27.5	27.5	27.5	27.7	27.8
GE 18000	12.2	12.6	17.0	18.6	22.9	23.9	24.9	26.5	26.8	27.0	27.5	27.8	27.8	27.8	28.0	28.1
GE 16000	12.2	12.6	17.0	18.6	22.9	23.9	24.9	26.5	26.8	27.0	27.5	27.8	27.8	27.8	28.0	28.1
GE 14000	12.5	12.9	17.2	18.8	23.2	24.2	25.2	26.8	27.1	27.2	27.8	28.1	28.1	28.1	28.3	28.4
GE 12000	13.0	13.5	17.8	19.4	23.9	24.9	25.9	27.5	27.8	28.0	28.6	28.8	28.8	28.8	29.0	29.1
GE 10000	13.6	14.1	18.6	20.1	24.8	25.8	26.8	28.6	28.8	29.0	30.0	30.4	30.4	30.4	30.6	30.7
GE 9000	14.1	14.5	19.1	20.7	25.5	26.5	27.5	29.3	29.6	29.7	30.7	31.2	31.2	31.2	31.3	31.6
GE 8000	15.7	16.1	21.4	23.2	29.4	31.0	32.3	34.5	35.1	35.2	36.5	37.0	37.2	37.2	37.4	37.8
GE 7000	16.7	17.1	22.9	24.9	31.3	32.9	34.6	36.8	37.4	37.5	38.8	39.3	39.6	39.6	39.7	40.1
GE 6000	17.4	17.8	24.2	26.2	32.8	34.3	36.5	38.7	39.3	39.4	40.7	41.2	41.4	41.4	41.6	42.0
GE 5000	18.7	19.3	26.1	28.1	35.2	37.0	39.6	42.2	42.8	42.9	44.2	44.6	44.9	44.9	45.1	45.7
GE 4500	19.1	19.7	26.7	28.7	36.2	38.0	40.7	43.3	43.9	44.1	45.4	45.8	46.1	46.1	46.2	46.8
GE 4000	21.7	22.3	30.0	32.6	41.9	43.8	47.0	50.0	50.7	51.0	52.3	52.8	53.0	53.0	53.2	53.8
GE 3500	24.9	25.5	33.5	36.1	45.8	47.7	51.0	54.3	55.1	55.4	57.1	57.5	57.8	57.8	58.0	58.6
GE 3000	30.7	31.3	40.4	43.8	54.3	56.2	59.7	63.0	63.8	64.1	65.9	66.4	66.7	66.7	66.8	67.4
GE 2500	31.7	32.3	42.5	45.9	57.1	59.0	62.6	66.1	66.8	67.1	69.1	69.7	70.0	70.0	70.1	70.7
GE 2000	33.5	34.1	44.8	48.7	62.2	64.1	68.1	72.2	72.9	73.3	75.4	76.2	76.5	76.5	76.7	77.2
GE 1800	33.5	34.1	44.9	48.8	62.9	64.8	68.8	72.9	73.6	74.1	76.2	77.1	77.4	77.4	77.5	78.1
GE 1500	34.1	34.6	45.5	49.6	64.5	66.7	70.9	75.1	75.8	76.2	78.6	79.4	79.9	79.9	80.0	80.6
GE 1200	34.1	34.6	45.7	49.7	64.8	67.0	71.2	75.5	76.2	76.7	79.0	79.9	80.3	80.3	80.4	81.0
GE 1000	34.1	34.6	45.7	49.7	64.9	67.2	72.2	77.4	78.3	79.0	81.7	83.2	83.6	83.6	83.8	84.5
GE 900	34.1	34.6	45.7	49.7	64.9	67.2	72.5	77.7	78.6	79.3	82.0	83.5	83.9	83.9	84.1	84.8
GE 800	34.1	34.6	45.7	49.7	64.9	67.2	72.8	78.3	79.3	80.0	83.0	84.6	85.1	85.1	85.2	86.2
GE 700	34.1	34.6	45.7	49.7	65.1	67.4	72.9	79.1	80.3	81.2	84.2	85.9	86.4	86.7	86.8	87.8
GE 600	34.1	34.6	45.7	49.7	65.1	67.4	73.0	79.9	81.0	81.9	85.1	86.8	87.2	87.5	87.8	88.8
GE 500	34.1	34.6	45.7	49.7	65.1	67.4	73.0	80.1	81.9	82.9	86.2	88.0	88.4	88.7	89.0	90.0
GE 400	34.1	34.6	45.7	49.7	65.1	67.4	73.0	80.4	82.6	83.6	87.2	89.1	89.7	90.0	90.3	91.3
GE 300	34.1	34.6	45.7	49.7	65.1	67.4	73.0	80.4	82.6	83.8	87.8	89.9	90.4	91.4	92.0	93.5
GE 200	34.1	34.6	45.7	49.7	65.1	67.4	73.0	80.4	82.6	83.8	88.1	90.3	90.9	92.8	93.6	97.5
GE 100	34.1	34.6	45.7	49.7	65.1	67.4	73.0	80.4	82.6	83.8	88.1	90.3	90.9	92.9	93.8	99.9
GE 000	34.1	34.6	45.7	49.7	65.1	67.4	73.0	80.4	82.6	83.8	88.1	90.3	90.9	92.9	93.8	100.0

TOTAL NUMBER OF OBSERVATIONS 690

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	13.7	14.6	17.8	20.5	24.3	25.8	26.5	27.1	27.1	27.1	27.1	27.1	27.2	27.2	27.2	27.4
GE 20000	15.4	16.3	19.5	22.5	26.5	28.7	30.1	31.0	31.1	31.1	31.1	31.1	31.2	31.2	31.2	31.4
GE 18000	15.4	16.3	19.5	22.5	26.5	28.7	30.1	31.0	31.1	31.1	31.1	31.1	31.2	31.2	31.2	31.4
GE 16000	15.4	16.3	19.5	22.5	26.5	28.7	30.1	31.0	31.1	31.1	31.1	31.1	31.2	31.2	31.2	31.4
GE 14000	15.4	16.3	19.5	22.5	26.7	28.8	30.2	31.1	31.2	31.2	31.2	31.2	31.4	31.4	31.4	31.5
GE 12000	15.4	16.3	19.5	22.5	26.8	29.0	30.5	31.4	31.5	31.5	31.5	31.5	31.7	31.7	31.7	31.8
GE 10000	15.8	16.7	20.1	23.3	28.0	30.1	31.7	33.2	33.4	33.4	33.4	33.4	33.5	33.5	33.5	33.7
GE 9000	16.3	17.1	20.7	23.8	29.0	31.4	33.0	34.5	34.7	34.7	34.7	34.7	34.8	34.8	34.8	35.0
GE 8000	19.1	20.0	24.8	28.0	34.0	36.5	38.1	39.7	39.9	40.1	40.2	40.2	40.4	40.4	40.4	40.5
GE 7000	20.8	21.7	26.7	30.0	36.5	39.2	40.8	42.4	42.8	42.9	43.1	43.1	43.2	43.2	43.2	43.4
GE 6000	21.1	22.0	27.0	30.2	37.1	39.9	41.8	43.4	43.8	43.9	44.1	44.1	44.2	44.2	44.2	44.4
GE 5000	23.4	24.4	29.7	33.5	41.2	44.5	47.1	48.6	49.2	49.4	49.5	49.5	49.6	49.6	49.6	49.8
GE 4500	24.5	25.5	30.8	34.7	42.4	45.6	48.4	49.9	50.5	50.6	50.8	50.8	50.9	50.9	50.9	51.1
GE 4000	29.5	30.5	36.2	40.4	50.4	53.6	56.3	58.1	58.6	58.8	58.9	58.9	59.1	59.1	59.1	59.2
GE 3500	33.5	34.7	40.7	44.9	55.2	58.6	61.5	63.2	63.9	64.1	64.3	64.5	64.6	64.6	64.6	64.8
GE 3000	39.2	40.8	48.5	53.2	63.9	67.3	70.6	72.8	73.6	73.8	74.0	74.5	74.6	74.6	74.6	74.8
GE 2500	39.9	41.5	49.8	55.2	66.2	69.9	73.2	75.3	76.2	76.3	76.6	77.0	77.2	77.2	77.2	77.3
GE 2000	41.2	42.8	51.6	57.2	69.2	72.9	77.6	79.7	80.7	80.9	81.2	81.6	81.7	81.7	81.7	81.9
GE 1800	41.7	43.2	52.2	57.8	70.5	74.2	78.9	81.2	82.2	82.3	82.6	83.0	83.2	83.2	83.2	83.3
GE 1500	41.9	43.5	52.6	58.6	72.2	75.9	80.7	83.5	84.6	84.7	85.0	85.4	85.6	85.6	85.6	85.7
GE 1200	41.9	43.5	52.6	58.8	72.8	77.0	81.9	84.7	85.9	86.0	86.3	86.7	86.9	86.9	86.9	87.0
GE 1000	41.9	43.5	52.6	58.8	73.0	77.3	82.3	86.4	87.7	88.0	88.4	88.9	89.3	89.3	89.3	89.4
GE 900	41.9	43.5	52.6	58.8	73.2	77.6	82.7	87.3	88.9	89.2	89.6	90.0	90.4	90.4	90.4	90.6
GE 800	41.9	43.5	52.6	58.8	73.2	77.6	82.7	87.6	89.2	89.4	90.0	90.6	91.0	91.0	91.0	91.2
GE 700	41.9	43.5	52.6	58.8	73.5	77.9	83.0	88.6	90.7	91.2	91.7	92.3	92.7	92.7	92.7	92.9
GE 600	41.9	43.5	52.6	58.8	73.5	78.0	83.2	88.7	90.9	91.4	92.2	92.7	93.2	93.2	93.2	93.3
GE 500	41.9	43.5	52.6	58.8	73.5	78.0	83.2	89.0	91.3	91.9	93.4	94.2	94.6	94.6	94.6	94.7
GE 400	41.9	43.5	52.6	58.8	73.5	78.0	83.2	89.2	91.4	92.2	93.9	94.6	95.0	95.1	95.1	95.4
GE 300	41.9	43.5	52.6	58.8	73.5	78.0	83.2	89.2	91.4	92.2	94.0	94.9	95.4	95.7	96.0	97.1
GE 200	41.9	43.5	52.6	58.8	73.5	78.0	83.2	89.2	91.4	92.2	94.3	95.6	96.3	96.7	97.0	99.4
GE 100	41.9	43.5	52.6	58.8	73.5	78.0	83.2	89.2	91.4	92.2	94.3	95.6	96.3	96.7	97.0	99.7
GE 000	41.9	43.5	52.6	58.8	73.5	78.0	83.2	89.2	91.4	92.2	94.3	95.6	96.3	96.7	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 701

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	15.2	16.0	19.7	23.0	27.0	27.6	28.2	28.4	28.4	28.4	28.7	28.7	28.7	28.7	28.7	28.7
GE 20000	17.4	18.3	22.6	26.2	31.3	32.5	33.4	33.5	33.5	33.5	33.8	33.8	33.8	33.8	33.8	33.8
GE 18000	17.4	18.3	22.6	26.2	31.3	32.5	33.4	33.5	33.5	33.5	33.8	33.8	33.8	33.8	33.8	33.8
GE 16000	17.4	18.3	22.6	26.2	31.3	32.5	33.4	33.5	33.5	33.5	33.8	33.8	33.8	33.8	33.8	33.8
GE 14000	17.4	18.3	22.6	26.2	31.3	32.6	33.7	33.8	33.8	33.8	34.1	34.1	34.1	34.1	34.1	34.1
GE 12000	17.5	18.4	22.7	26.4	31.6	32.9	34.1	34.3	34.3	34.3	34.6	34.6	34.6	34.6	34.6	34.6
GE 10000	18.0	18.9	23.2	27.1	32.3	33.8	35.4	35.7	35.7	35.7	36.0	36.0	36.0	36.0	36.0	36.0
GE 9000	18.9	19.8	24.1	28.0	33.4	35.1	37.3	37.7	37.7	37.7	38.0	38.0	38.0	38.0	38.0	38.0
GE 8000	23.2	24.2	29.6	33.8	40.2	41.9	44.2	44.7	45.0	45.3	45.6	45.6	45.6	45.6	45.6	45.6
GE 7000	24.4	25.6	31.7	36.4	43.6	45.3	47.6	48.0	48.3	48.6	48.9	48.9	48.9	48.9	48.9	48.9
GE 6000	24.7	25.9	32.2	37.0	44.8	46.5	48.8	49.2	49.5	49.8	50.2	50.2	50.2	50.2	50.2	50.2
GE 5000	27.0	28.4	35.5	40.5	48.5	50.2	52.7	53.2	53.7	54.0	54.3	54.3	54.3	54.3	54.3	54.3
GE 4500	28.5	30.0	38.0	43.1	51.1	52.7	55.5	56.3	56.7	57.0	57.3	57.3	57.3	57.3	57.3	57.3
GE 4000	32.5	34.0	42.4	47.7	56.7	58.4	61.3	62.2	62.7	63.0	63.3	63.3	63.3	63.3	63.3	63.3
GE 3500	36.0	37.5	46.8	52.4	62.2	63.9	66.9	67.8	68.3	68.8	69.1	69.1	69.1	69.1	69.1	69.1
GE 3000	43.4	45.3	55.8	62.0	73.2	75.0	78.7	79.9	80.3	80.8	81.1	81.3	81.3	81.3	81.3	81.3
GE 2500	43.6	45.4	56.4	62.8	73.9	76.2	79.9	81.1	81.6	82.0	82.3	82.5	82.5	82.5	82.5	82.5
GE 2000	44.4	46.5	57.9	64.8	76.5	78.8	83.5	84.8	85.2	85.7	86.3	86.4	86.4	86.4	86.4	86.4
GE 1800	44.8	47.0	58.4	65.2	77.3	79.7	84.5	85.8	86.3	86.7	87.3	87.5	87.5	87.5	87.5	87.5
GE 1500	44.8	47.0	58.4	65.4	78.2	80.6	85.7	87.2	88.3	88.9	89.5	89.6	89.6	89.6	89.6	89.6
GE 1200	44.8	47.0	58.4	65.5	78.8	81.4	86.4	88.0	89.2	89.8	90.4	90.5	90.5	90.7	90.7	90.7
GE 1000	44.8	47.0	58.4	65.5	79.3	81.9	86.9	89.3	90.9	91.5	92.1	92.4	92.4	92.5	92.5	92.5
GE 900	44.8	47.0	58.4	65.5	79.3	81.9	86.9	89.3	91.0	91.9	92.5	92.8	92.8	93.0	93.0	93.0
GE 800	44.8	47.0	58.4	65.5	79.4	82.0	87.0	89.5	91.2	92.1	92.8	93.1	93.1	93.3	93.3	93.3
GE 700	44.8	47.0	58.4	65.5	79.4	82.0	87.3	89.9	91.6	92.5	93.6	93.9	93.9	94.1	94.1	94.1
GE 600	44.8	47.0	58.4	65.5	79.4	82.0	87.3	90.2	91.9	92.8	94.1	94.5	94.5	94.7	94.7	94.7
GE 500	44.8	47.0	58.4	65.5	79.4	82.0	87.3	90.4	92.1	93.0	94.7	95.4	95.4	95.6	95.6	95.6
GE 400	44.8	47.0	58.4	65.5	79.4	82.0	87.3	90.5	92.2	93.1	94.8	95.9	95.9	96.2	96.2	96.2
GE 300	44.8	47.0	58.4	65.5	79.4	82.0	87.3	90.5	92.2	93.1	95.3	96.5	96.5	97.1	97.4	97.7
GE 200	44.8	47.0	58.4	65.5	79.4	82.0	87.3	90.5	92.2	93.1	95.3	96.6	96.6	97.6	98.0	99.4
GE 100	44.8	47.0	58.4	65.5	79.4	82.0	87.3	90.5	92.2	93.1	95.3	96.6	96.6	97.6	98.0	100.0
GE 000	44.8	47.0	58.4	65.5	79.4	82.0	87.3	90.5	92.2	93.1	95.3	96.6	96.6	97.6	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 656

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	17.4	18.5	21.8	24.6	30.1	30.5	31.4	31.6	31.6	31.6	31.6	31.7	31.7	31.7	31.7	32.1
GE 20000	18.5	19.6	22.9	25.7	32.1	32.5	34.7	34.9	34.9	34.9	34.9	35.0	35.0	35.0	35.0	35.4
GE 18000	18.5	19.6	22.9	25.7	32.1	32.5	34.7	34.9	34.9	34.9	34.9	35.0	35.0	35.0	35.0	35.4
GE 16000	18.5	19.6	22.9	25.7	32.1	32.5	34.7	34.9	34.9	34.9	34.9	35.0	35.0	35.0	35.0	35.4
GE 14000	18.5	19.6	22.9	25.7	32.1	32.5	34.7	34.9	34.9	34.9	34.9	35.0	35.0	35.0	35.0	35.4
GE 12000	18.5	19.6	22.9	25.7	32.1	32.5	34.7	34.9	34.9	34.9	34.9	35.0	35.0	35.0	35.0	35.4
GE 10000	19.6	20.7	24.0	27.2	33.6	33.9	36.7	36.9	36.9	36.9	36.9	37.1	37.1	37.1	37.1	37.4
GE 9000	19.8	20.9	24.2	27.3	33.9	34.3	38.3	38.5	38.5	38.5	38.5	38.7	38.7	38.7	38.7	39.1
GE 8000	24.2	25.3	28.6	32.1	40.0	40.4	44.4	44.6	45.1	45.3	45.5	45.9	45.9	45.9	45.9	46.2
GE 7000	25.1	26.2	30.1	34.5	42.6	42.9	47.0	47.2	47.7	47.9	48.1	48.4	48.4	48.4	48.4	48.8
GE 6000	25.5	26.6	31.0	35.4	43.7	44.0	48.1	48.3	48.8	49.0	49.2	49.5	49.5	49.5	49.5	49.9
GE 5000	28.8	29.9	34.5	39.4	48.1	48.4	52.7	52.8	53.4	53.6	53.8	54.1	54.1	54.1	54.1	54.5
GE 4500	29.9	31.0	35.8	40.7	49.5	49.9	54.1	54.3	54.9	55.0	55.2	55.6	55.6	55.6	55.6	56.0
GE 4000	35.2	36.3	42.0	47.7	57.6	58.2	62.4	62.6	63.1	63.3	63.5	63.9	63.9	64.0	64.0	64.4
GE 3500	38.0	39.1	45.7	51.7	62.6	63.1	67.3	67.5	68.1	68.3	68.4	68.8	68.8	69.0	69.0	69.4
GE 3000	43.1	44.4	52.5	59.1	70.8	71.4	75.8	76.5	77.1	77.4	77.6	78.0	78.0	78.2	78.2	78.5
GE 2500	43.7	45.0	53.6	60.2	72.3	73.6	78.0	78.7	79.3	79.6	79.8	80.2	80.2	80.4	80.4	80.7
GE 2000	44.6	46.1	54.9	62.6	76.0	77.4	81.8	83.3	83.9	84.2	84.6	85.0	85.0	85.1	85.1	85.5
GE 1800	44.8	46.2	55.0	62.8	76.1	77.6	82.0	83.5	84.0	84.4	84.8	85.1	85.1	85.3	85.3	85.7
GE 1500	45.3	46.8	56.3	64.0	77.8	79.4	84.0	85.7	86.2	86.6	87.2	87.5	87.5	87.7	87.7	88.1
GE 1200	45.3	46.8	56.3	64.0	77.8	79.4	84.0	86.2	87.0	87.3	88.1	88.4	88.4	88.6	88.6	89.0
GE 1000	45.3	46.8	56.3	64.0	78.3	80.0	84.6	87.5	88.6	89.0	89.7	90.1	90.1	90.3	90.3	90.6
GE 900	45.3	46.8	56.3	64.0	78.3	80.0	84.6	87.5	88.6	89.0	89.7	90.1	90.1	90.3	90.3	90.6
GE 800	45.3	46.8	56.3	64.0	78.3	80.4	85.0	87.9	89.0	89.4	90.8	91.4	91.4	91.6	91.6	91.9
GE 700	45.3	46.8	56.3	64.0	78.3	80.4	85.0	88.1	89.4	89.7	91.6	92.1	92.1	92.3	92.3	92.7
GE 600	45.3	46.8	56.3	64.0	78.3	80.4	85.0	88.3	89.7	90.1	91.9	92.5	92.5	92.7	92.7	93.0
GE 500	45.3	46.8	56.3	64.0	78.3	80.4	85.0	88.8	90.3	90.6	92.8	93.6	93.6	93.8	93.8	94.3
GE 400	45.3	46.8	56.3	64.0	78.3	80.4	85.0	88.8	90.3	90.6	92.8	94.1	94.1	94.3	94.3	95.2
GE 300	45.3	46.8	56.3	64.0	78.3	80.4	85.0	88.8	90.3	90.6	93.0	94.5	94.5	94.7	94.9	96.5
GE 200	45.3	46.8	56.3	64.0	78.3	80.4	85.0	88.8	90.3	90.6	93.0	94.5	94.7	95.2	95.4	97.6
GE 100	45.3	46.8	56.3	64.0	78.3	80.4	85.0	88.8	90.3	90.6	93.0	94.5	94.7	95.2	95.6	99.8
GE 000	45.3	46.8	56.3	64.0	78.3	80.4	85.0	88.8	90.3	90.6	93.2	94.7	94.9	95.4	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS 545

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 43	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	17.5	17.5	21.0	22.7	27.5	28.5	28.8	28.8	29.4	29.4	29.8	29.8	29.8	29.8	29.8	30.4
GE 20000	18.1	18.1	21.7	23.3	29.4	30.7	31.7	31.7	32.4	32.4	32.7	32.7	32.7	32.7	32.7	33.3
GE 18000	18.1	18.1	21.7	23.3	29.4	30.7	31.7	31.7	32.4	32.4	32.7	32.7	32.7	32.7	32.7	33.3
GE 16000	18.1	18.1	21.7	23.3	29.4	30.7	31.7	31.7	32.4	32.4	32.7	32.7	32.7	32.7	32.7	33.3
GE 14000	18.1	18.1	21.7	23.3	29.4	30.7	31.7	31.7	32.4	32.4	32.7	32.7	32.7	32.7	32.7	33.3
GE 12000	18.1	18.1	21.7	23.3	29.4	30.7	31.7	31.7	32.4	32.4	32.7	32.7	32.7	32.7	32.7	33.3
GE 10000	19.1	19.1	22.7	24.3	30.7	32.0	34.0	34.0	34.6	34.6	35.0	35.0	35.0	35.0	35.0	35.6
GE 9000	19.7	20.1	23.6	25.2	31.7	33.0	35.3	35.3	35.9	35.9	36.2	36.2	36.2	36.2	36.2	36.9
GE 8000	25.2	25.6	29.1	30.7	38.8	40.1	42.4	42.4	43.7	43.7	44.0	44.7	44.7	44.7	44.7	45.3
GE 7000	26.5	26.9	30.7	33.0	41.4	42.7	45.0	45.0	46.3	46.3	46.6	47.2	47.2	47.2	47.2	47.9
GE 6000	26.9	27.2	31.4	33.7	42.1	43.4	45.6	45.6	46.9	46.9	47.2	47.9	47.9	47.9	47.9	48.5
GE 5000	30.1	30.7	35.3	37.9	46.3	47.6	49.8	49.8	51.1	51.1	51.5	52.1	52.1	52.1	52.1	52.8
GE 4500	31.4	32.0	36.6	39.5	47.9	49.2	51.8	51.8	53.1	53.1	53.4	54.4	54.4	54.4	54.4	55.0
GE 4000	35.9	36.6	42.1	45.3	54.0	56.0	58.6	58.6	59.9	60.2	60.5	61.5	61.5	61.8	61.8	62.5
GE 3500	37.2	37.9	44.7	47.9	57.6	59.5	62.1	62.1	63.4	63.8	64.1	65.0	65.0	65.4	65.4	66.0
GE 3000	43.4	44.0	52.8	56.6	68.0	69.9	72.5	73.1	74.4	74.8	75.1	76.1	76.1	76.4	76.4	77.0
GE 2500	44.3	45.0	54.0	57.9	70.2	72.2	74.8	75.4	76.7	77.0	77.3	78.3	78.3	78.6	78.6	79.3
GE 2000	45.6	46.3	55.3	60.5	74.1	76.1	78.6	79.3	80.6	80.9	81.2	82.2	82.2	82.5	82.5	83.2
GE 1800	45.6	46.3	55.3	60.5	74.1	76.1	78.6	79.3	80.6	80.9	81.2	82.2	82.2	82.5	82.5	83.2
GE 1500	45.6	46.3	56.0	61.2	74.8	76.7	79.3	80.3	81.9	82.5	82.8	83.8	83.8	84.5	84.8	85.4
GE 1200	45.6	46.3	56.0	61.2	74.8	77.0	79.6	81.6	83.2	83.8	84.8	85.8	86.1	86.7	87.1	87.7
GE 1000	45.6	46.3	56.0	61.2	74.8	77.0	79.6	82.5	84.8	85.8	86.7	87.7	88.0	88.7	89.0	89.6
GE 900	45.6	46.3	56.0	61.2	74.8	77.0	79.6	82.5	84.8	85.8	86.7	87.7	88.0	88.7	89.0	89.6
GE 800	45.6	46.3	56.0	61.2	74.8	77.0	79.9	82.8	85.1	86.1	87.7	88.7	89.0	89.6	90.0	90.6
GE 700	45.6	46.3	56.0	61.2	74.8	77.0	79.9	82.8	85.1	86.1	87.7	88.7	89.0	89.6	90.0	90.6
GE 600	45.6	46.3	56.0	61.2	74.8	77.0	79.9	82.8	85.1	86.1	87.7	88.7	89.0	89.6	90.0	90.6
GE 500	45.6	46.3	56.0	61.2	74.8	77.0	79.9	83.2	85.4	86.4	88.3	89.3	89.6	90.3	90.6	91.3
GE 400	45.6	46.3	56.0	61.2	75.1	77.3	80.3	83.5	85.8	86.7	88.7	90.9	91.3	91.9	92.2	93.5
GE 300	45.6	46.3	56.0	61.2	75.1	77.3	80.3	83.5	85.8	86.7	88.7	90.9	91.3	91.9	92.6	96.1
GE 200	45.6	46.3	56.0	61.2	75.1	77.3	80.3	83.5	85.8	86.7	88.7	90.9	91.3	91.9	92.6	96.1
GE 100	45.6	46.3	56.0	61.2	75.1	77.3	80.3	83.5	85.8	86.7	88.7	90.9	91.3	91.9	92.9	99.7
GE 000	45.6	46.3	56.0	61.2	75.1	77.3	80.3	83.5	85.8	86.7	88.7	90.9	91.3	91.9	92.9	100.0

TOTAL NUMBER OF OBSERVATIONS 309

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	14.0	14.7	18.3	20.6	24.7	25.5	26.4	27.1	27.2	27.3	27.6	27.7	27.7	27.8	27.8	28.2
GE 20000	15.2	16.0	19.8	22.2	27.0	28.2	29.5	30.3	30.4	30.5	30.8	30.9	31.0	31.1	31.1	31.5
GE 18000	15.2	16.0	19.8	22.3	27.0	28.2	29.5	30.3	30.5	30.5	30.8	31.0	31.1	31.1	31.1	31.5
GE 16000	15.2	16.0	19.8	22.3	27.0	28.2	29.5	30.3	30.5	30.5	30.8	31.0	31.1	31.1	31.1	31.5
GE 14000	15.3	16.0	19.9	22.3	27.1	28.3	29.7	30.5	30.6	30.7	31.0	31.1	31.2	31.3	31.3	31.7
GE 12000	15.5	16.2	20.1	22.5	27.4	28.6	30.0	30.8	31.0	31.0	31.3	31.5	31.5	31.6	31.6	32.0
GE 10000	16.1	16.8	20.7	23.3	28.4	29.6	31.3	32.2	32.4	32.5	32.8	33.1	33.1	33.2	33.2	33.6
GE 9000	16.5	17.3	21.3	23.9	29.2	30.5	32.5	33.6	33.7	33.8	34.2	34.4	34.5	34.6	34.6	35.0
GE 8000	19.7	20.6	25.1	27.8	34.2	35.7	37.8	39.1	39.6	39.8	40.3	40.7	40.8	40.9	40.9	41.4
GE 7000	21.0	21.8	26.8	29.9	36.7	38.2	40.4	41.7	42.2	42.4	43.0	43.3	43.4	43.5	43.5	44.0
GE 6000	21.4	22.3	27.7	30.9	37.9	39.5	41.9	43.2	43.6	43.8	44.4	44.7	44.9	44.9	45.0	45.5
GE 5000	23.7	24.7	30.4	34.0	41.5	43.2	45.9	47.3	47.9	48.1	48.6	49.0	49.2	49.2	49.2	49.8
GE 4500	24.7	25.7	31.7	35.3	43.0	44.7	47.6	49.0	49.6	49.8	50.3	50.7	50.9	50.9	51.0	51.5
GE 4000	29.1	30.1	36.8	40.8	50.0	51.8	54.8	56.4	57.0	57.3	57.9	58.2	58.4	58.5	58.6	59.1
GE 3500	32.0	33.0	40.3	44.5	54.2	56.1	59.3	60.9	61.6	61.9	62.7	63.1	63.2	63.3	63.4	63.9
GE 3000	37.7	38.9	47.7	52.5	63.2	65.2	68.7	70.7	71.4	71.8	72.6	73.1	73.3	73.4	73.4	73.9
GE 2500	38.6	39.8	49.0	54.1	65.1	67.3	70.9	73.0	73.7	74.1	75.0	75.5	75.6	75.7	75.8	76.3
GE 2000	40.1	41.4	51.1	56.7	68.9	71.2	75.4	77.9	78.6	79.1	80.0	80.6	80.8	80.9	80.9	81.4
GE 1800	40.3	41.6	51.4	57.0	69.7	71.9	76.2	78.7	79.4	79.9	80.8	81.4	81.6	81.7	81.7	82.2
GE 1500	40.9	42.2	52.2	57.9	71.3	73.7	78.1	80.8	81.8	82.3	83.3	83.9	84.1	84.3	84.3	84.8
GE 1200	40.9	42.2	52.2	58.0	71.6	74.2	78.6	81.7	82.7	83.2	84.3	84.9	85.1	85.3	85.3	85.9
GE 1000	40.9	42.2	52.2	58.0	72.0	74.6	79.2	83.0	84.3	84.9	86.3	87.0	87.3	87.5	87.6	88.1
GE 900	40.9	42.2	52.2	58.0	72.0	74.7	79.4	83.4	84.7	85.5	86.8	87.5	87.9	88.0	88.1	88.6
GE 800	40.9	42.2	52.2	58.0	72.1	74.8	79.6	83.7	85.1	85.9	87.5	88.3	88.6	88.8	88.9	89.5
GE 700	40.9	42.2	52.2	58.0	72.2	74.9	79.7	84.2	85.8	86.6	88.4	89.2	89.6	89.8	89.9	90.5
GE 600	40.9	42.2	52.2	58.0	72.2	74.9	79.8	84.6	86.2	87.0	88.9	89.8	90.2	90.4	90.5	91.1
GE 500	40.9	42.2	52.2	58.0	72.2	74.9	79.8	84.9	86.6	87.5	89.9	90.9	91.2	91.5	91.6	92.3
GE 400	40.9	42.2	52.2	58.0	72.2	75.0	79.9	85.1	86.9	87.9	90.4	91.6	92.0	92.4	92.5	93.3
GE 300	40.9	42.2	52.2	58.0	72.2	75.0	79.9	85.1	86.9	88.0	90.7	92.1	92.5	93.2	93.7	95.4
GE 200	40.9	42.2	52.2	58.0	72.2	75.0	79.9	85.1	86.9	88.0	90.9	92.4	92.9	93.9	94.5	97.8
GE 100	40.9	42.2	52.2	58.0	72.2	75.0	79.9	85.1	86.9	88.0	90.9	92.5	93.0	94.1	94.8	99.7
GE 000	40.9	42.2	52.2	58.0	72.2	75.0	79.9	85.1	86.9	88.0	90.9	92.5	93.0	94.1	94.8	100.0

TOTAL NUMBER OF OBSERVATIONS 3513

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
CEIL	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
20000	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
18000	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
16000	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
14000	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
12000	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
10000	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
9000	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
8000	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
7000	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
6000	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
5000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
4500	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
4000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
3500	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
3000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
2500	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
2000	66.7	66.7	66.7	66.7	66.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	66.7	66.7	66.7	66.7	66.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	66.7	66.7	66.7	66.7	66.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	66.7	66.7	66.7	66.7	66.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	66.7	66.7	66.7	66.7	66.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	66.7	66.7	66.7	66.7	66.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	66.7	66.7	66.7	66.7	66.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	66.7	66.7	66.7	66.7	66.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	66.7	66.7	66.7	66.7	66.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	66.7	66.7	66.7	66.7	66.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	66.7	66.7	66.7	66.7	66.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	66.7	66.7	66.7	66.7	66.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	66.7	66.7	66.7	66.7	66.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	66.7	66.7	66.7	66.7	66.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
000	66.7	66.7	66.7	66.7	66.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	9.7	10.0	12.4	13.8	18.0	19.4	20.1	21.1	21.1	21.4	21.9	22.3	22.4	22.6	22.8	23.1
GE 20000	10.0	10.4	12.8	14.1	18.4	19.7	20.4	21.6	21.6	21.9	22.4	22.8	23.0	23.1	23.3	23.6
GE 18000	10.0	10.4	12.8	14.1	18.4	19.7	20.4	21.6	21.6	21.9	22.4	22.8	23.0	23.1	23.3	23.6
GE 16000	10.0	10.4	12.8	14.1	18.4	19.7	20.4	21.6	21.6	21.9	22.4	22.8	23.0	23.1	23.3	23.6
GE 14000	10.0	10.4	12.8	14.1	18.4	19.7	20.4	21.6	21.6	21.9	22.4	22.8	23.0	23.1	23.3	23.6
GE 12000	10.9	11.2	13.6	15.0	19.2	20.6	21.3	22.4	22.4	22.8	23.3	23.6	23.8	24.0	24.1	24.5
GE 10000	11.1	11.4	13.9	15.5	19.7	21.1	21.8	23.0	23.0	23.5	24.0	24.3	24.5	24.7	24.8	25.2
GE 9000	12.1	12.4	15.5	17.2	21.6	23.0	23.6	24.8	24.8	25.3	25.9	26.2	26.4	26.5	26.7	27.0
GE 8000	13.8	14.1	17.5	19.2	24.0	25.3	26.0	27.7	27.7	28.2	28.7	29.1	29.3	29.4	29.6	29.9
GE 7000	14.6	15.1	18.7	20.6	25.7	27.0	27.7	29.4	29.4	30.1	30.6	31.0	31.5	31.6	31.8	32.1
GE 6000	15.1	15.6	19.4	21.3	26.9	28.2	28.9	30.6	30.6	31.3	31.8	32.1	32.7	32.8	33.0	33.3
GE 5000	19.2	19.7	23.6	26.0	31.6	33.0	33.7	35.4	35.4	36.1	36.6	36.9	37.4	37.6	37.8	38.1
GE 4500	20.9	21.4	25.5	28.2	34.2	35.5	36.6	38.3	38.3	38.9	39.5	39.8	40.3	40.5	40.6	41.0
GE 4000	25.2	25.9	30.6	33.7	40.3	42.2	43.4	45.2	45.2	46.1	46.8	47.1	47.6	47.8	48.1	48.5
GE 3500	29.3	30.1	35.5	38.8	46.1	48.0	49.1	51.4	51.5	52.4	53.2	53.6	54.1	54.3	54.6	54.9
GE 3000	33.0	34.0	41.2	44.6	53.2	55.1	56.3	58.8	59.4	60.4	61.6	61.9	62.4	62.6	62.9	63.3
GE 2500	35.0	36.2	43.9	47.6	57.1	59.0	60.2	62.8	63.8	64.8	66.5	66.8	67.3	67.5	67.9	68.2
GE 2000	39.1	40.5	50.2	54.6	66.0	68.2	69.6	72.3	73.3	74.5	76.2	76.7	77.2	77.4	77.7	78.1
GE 1800	39.5	40.8	50.9	55.8	67.3	69.6	70.9	73.6	74.7	75.9	77.6	78.1	78.6	78.7	79.1	79.4
GE 1500	40.1	41.5	51.7	57.8	70.6	73.0	74.3	77.6	78.6	79.9	81.8	82.3	82.8	83.2	83.5	83.8
GE 1200	40.8	42.2	53.2	59.7	73.5	75.9	77.4	81.0	82.0	83.5	85.4	86.1	86.6	86.9	87.2	87.6
GE 1000	41.0	42.3	53.6	60.4	74.7	77.0	78.6	82.3	83.5	85.0	86.9	87.6	88.1	88.4	88.8	89.1
GE 900	41.2	42.5	53.7	60.5	74.8	77.2	78.9	83.2	84.4	85.9	87.8	88.4	88.9	89.3	89.6	90.0
GE 800	41.2	42.5	54.1	60.9	75.7	78.2	80.1	84.7	85.9	87.4	89.3	90.0	90.5	90.8	91.2	91.5
GE 700	41.2	42.5	54.1	60.9	75.7	78.4	80.3	84.9	86.1	87.6	89.5	90.1	90.6	91.0	91.3	91.7
GE 600	41.2	42.5	54.1	60.9	75.7	78.4	80.3	84.9	86.1	87.6	89.5	90.1	90.6	91.0	91.3	91.7
GE 500	41.2	42.5	54.1	60.9	76.0	78.7	80.8	85.9	87.1	88.9	91.3	92.2	92.7	93.0	93.4	93.7
GE 400	41.2	42.5	54.1	60.9	76.0	78.7	80.8	85.9	87.1	88.9	91.3	92.2	92.7	93.0	93.4	93.7
GE 300	41.2	42.5	54.1	60.9	76.0	78.7	81.0	86.4	87.6	89.5	92.3	93.4	94.2	94.6	94.9	95.7
GE 200	41.2	42.5	54.1	60.9	76.0	78.7	81.0	86.4	87.6	89.8	92.7	93.7	94.6	95.4	95.7	97.6
GE 100	41.2	42.5	54.1	60.9	76.0	78.7	81.0	86.4	87.6	90.1	93.2	94.2	95.1	95.9	96.3	100.0
GE 000	41.2	42.5	54.1	60.9	76.0	78.7	81.0	86.4	87.6	90.1	93.2	94.2	95.1	95.9	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS 588

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280 STATION NAME: COLEMAN AAF/MANNHEIM DL PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: - 1 MONTH: DEC HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	7.2	7.3	9.0	10.1	14.2	14.9	15.5	16.3	16.7	17.3	17.4	17.7	17.9	17.9	17.9	18.3
GE 20000	9.0	9.1	11.0	12.2	16.6	17.4	18.3	19.7	20.1	20.7	20.8	21.1	21.2	21.2	21.4	21.9
GE 18000	9.0	9.1	11.0	12.2	16.6	17.4	18.3	19.7	20.3	20.8	21.0	21.2	21.4	21.4	21.5	22.2
GE 16000	9.0	9.1	11.0	12.2	16.6	17.4	18.3	19.7	20.3	20.8	21.0	21.2	21.4	21.4	21.5	22.2
GE 14000	9.0	9.1	11.0	12.2	16.6	17.4	18.3	19.7	20.3	20.8	21.0	21.2	21.4	21.4	21.5	22.2
GE 12000	9.0	9.1	11.0	12.2	16.6	17.4	18.3	19.7	20.3	20.8	21.0	21.2	21.4	21.4	21.5	22.2
GE 10000	9.0	9.1	11.0	12.4	16.9	17.7	18.6	20.0	20.5	21.1	21.2	21.7	21.8	21.8	21.9	22.6
GE 9000	10.4	10.5	13.5	15.0	19.7	20.5	21.5	23.1	23.6	24.2	24.3	24.8	24.9	24.9	25.0	25.7
GE 8000	12.4	12.5	16.2	17.9	23.3	24.2	25.3	26.9	27.4	28.0	28.1	28.6	28.7	28.7	28.8	29.5
GE 7000	13.2	13.4	17.3	19.0	24.9	25.9	27.4	29.1	29.7	30.4	30.9	31.4	31.6	31.6	31.8	32.5
GE 6000	14.3	14.5	18.4	20.1	26.2	27.1	28.7	30.4	30.9	31.6	32.2	32.6	32.9	32.9	33.1	33.8
GE 5000	16.5	16.6	20.8	22.6	29.1	30.4	32.1	33.9	34.5	35.2	35.7	36.1	36.4	36.4	36.6	37.3
GE 4500	17.6	17.9	22.5	24.5	30.9	32.2	33.9	35.7	36.4	37.1	37.7	38.1	38.4	38.4	38.5	39.2
GE 4000	21.5	22.1	28.1	31.1	38.7	40.2	42.1	44.0	44.7	45.6	46.1	46.6	46.8	46.8	47.0	47.7
GE 3500	25.2	26.2	32.3	35.6	44.0	45.6	48.2	50.6	51.3	52.3	52.9	53.3	53.6	53.6	53.7	54.4
GE 3000	29.1	30.4	37.6	41.9	51.3	53.2	56.3	59.4	60.2	61.2	61.7	62.2	62.4	62.4	62.6	63.3
GE 2500	31.1	32.3	39.8	44.3	54.6	56.7	60.3	63.4	64.4	65.4	66.1	66.5	66.8	66.8	66.9	67.7
GE 2000	33.8	35.0	43.7	49.6	62.7	65.1	69.3	73.0	74.1	75.1	76.1	76.5	76.8	76.8	76.9	77.6
GE 1800	33.8	35.0	44.0	50.5	64.0	66.4	70.6	74.4	75.5	76.5	77.6	78.1	78.3	78.3	78.5	79.2
GE 1500	34.5	35.7	44.9	52.0	66.1	69.2	74.3	78.2	79.6	81.0	82.6	83.0	83.4	83.7	83.8	84.5
GE 1200	34.5	35.7	45.1	52.5	67.5	71.2	76.2	80.9	82.3	84.0	85.5	86.2	86.6	86.9	87.1	87.8
GE 1000	34.6	35.9	45.4	52.7	68.4	72.2	77.2	81.9	83.4	85.5	87.2	88.0	88.5	89.2	89.3	90.2
GE 900	34.6	35.9	45.4	52.7	68.4	72.4	77.5	82.1	83.7	85.8	87.5	88.3	88.7	89.5	89.6	90.4
GE 800	34.6	35.9	45.4	52.7	68.4	72.4	77.6	82.3	83.8	85.9	87.9	88.7	89.3	90.0	90.2	91.3
GE 700	34.6	35.9	45.4	52.7	68.4	72.4	77.6	82.4	84.1	86.2	88.3	89.2	89.7	90.4	90.6	91.7
GE 600	34.6	35.9	45.4	52.7	68.4	72.4	78.2	83.1	85.1	87.5	89.6	90.4	91.0	91.7	92.0	93.1
GE 500	34.6	35.9	45.4	52.7	68.4	72.4	78.2	83.4	85.4	87.9	90.2	91.1	92.0	92.7	93.0	94.1
GE 400	34.6	35.9	45.4	52.7	68.4	72.4	78.2	83.4	85.4	87.9	90.4	91.4	92.3	93.0	93.2	94.4
GE 300	34.6	35.9	45.4	52.7	68.4	72.6	78.3	83.5	85.5	88.2	91.0	92.3	93.1	93.8	94.2	95.9
GE 200	34.6	35.9	45.4	52.7	68.4	72.6	78.3	83.5	85.5	88.2	91.1	92.5	93.4	94.4	95.1	98.2
GE 100	34.6	35.9	45.4	52.7	68.4	72.6	78.3	83.5	85.5	88.2	91.3	92.8	93.7	94.8	95.5	100.0
GE 000	34.6	35.9	45.4	52.7	68.4	72.6	78.3	83.5	85.5	88.2	91.3	92.8	93.7	94.8	95.5	100.0

TOTAL NUMBER OF OBSERVATIONS 711

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	9.8	9.8	12.7	15.3	19.0	19.5	19.9	20.4	20.8	21.5	21.5	21.5	21.5	21.5	21.5	21.5
GE 20000	11.9	11.9	14.8	17.4	21.6	22.3	22.9	23.8	24.3	25.2	25.2	25.2	25.2	25.2	25.2	25.2
GE 18000	12.0	12.1	15.1	17.7	21.9	22.6	23.2	24.1	24.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
GE 16000	12.1	12.3	15.2	17.9	22.0	22.7	23.3	24.3	24.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
GE 14000	12.3	12.4	15.3	18.0	22.2	22.9	23.4	24.4	24.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
GE 12000	12.7	12.8	15.8	18.4	22.6	23.3	23.8	24.8	25.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
GE 10000	14.4	14.6	17.7	20.5	24.7	25.4	26.1	27.1	27.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
GE 9000	15.8	16.0	19.1	21.9	26.2	26.9	27.9	28.9	29.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
GE 8000	18.5	18.8	22.6	25.4	30.5	31.5	32.6	33.6	34.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
GE 7000	20.1	20.5	24.3	27.1	32.5	33.9	35.8	37.0	37.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5
GE 6000	21.3	21.8	25.5	28.3	33.8	35.1	37.1	38.2	38.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7
GE 5000	24.3	24.7	29.1	32.1	37.8	39.2	41.3	42.7	43.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 4500	25.2	25.7	30.1	33.1	38.8	40.4	42.5	43.9	44.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 4000	28.3	28.7	34.9	38.5	45.2	47.0	49.4	50.9	51.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 3500	30.5	31.1	37.2	41.0	48.7	50.6	53.1	54.7	55.2	56.3	56.3	56.5	56.5	56.5	56.5	56.5
GE 3000	35.3	36.3	43.2	48.4	57.5	59.4	62.5	64.2	64.9	66.2	66.2	66.4	66.4	66.4	66.4	66.4
GE 2500	37.0	38.2	46.3	51.9	61.4	63.6	67.1	68.8	69.5	71.0	71.1	71.3	71.3	71.3	71.3	71.3
GE 2000	39.5	40.7	49.7	56.3	67.8	70.4	74.3	76.3	77.1	78.7	78.8	78.9	78.9	78.9	78.9	78.9
GE 1800	40.6	41.8	51.0	58.0	70.2	72.8	76.7	78.7	79.5	81.0	81.2	81.3	81.3	81.3	81.3	81.3
GE 1500	40.9	42.3	51.9	59.1	73.2	76.4	80.5	82.6	83.4	85.4	86.2	86.6	86.6	86.6	86.6	86.6
GE 1200	41.0	42.4	52.0	59.3	74.6	78.2	82.3	84.9	85.8	87.7	88.6	89.0	89.1	89.1	89.1	89.1
GE 1000	41.3	42.7	52.4	60.0	75.6	79.6	83.7	87.0	88.3	90.7	91.6	92.3	92.5	92.5	92.5	92.5
GE 900	41.3	42.7	52.4	60.0	75.6	79.8	83.8	87.2	88.4	90.8	91.8	92.5	92.6	92.6	92.6	92.6
GE 800	41.3	42.7	52.4	60.0	75.6	79.8	84.0	87.6	88.8	91.2	92.2	92.9	93.0	93.0	93.0	93.4
GE 700	41.3	42.7	52.4	60.0	75.6	79.9	84.1	87.7	89.0	91.4	92.3	93.0	93.2	93.2	93.2	93.6
GE 600	41.3	42.7	52.4	60.0	75.6	79.9	84.4	88.3	89.8	92.2	93.3	94.0	94.1	94.1	94.1	94.6
GE 500	41.3	42.7	52.4	60.0	75.6	79.9	84.5	88.7	90.2	93.0	94.3	95.0	95.1	95.1	95.1	95.5
GE 400	41.3	42.7	52.4	60.0	75.6	79.9	84.5	89.0	90.7	93.4	94.7	95.5	95.7	95.7	95.7	96.1
GE 300	41.3	42.7	52.4	60.0	75.6	79.9	84.5	89.4	91.1	93.9	95.3	96.5	96.7	96.8	96.9	97.5
GE 200	41.3	42.7	52.4	60.0	75.6	79.9	84.5	89.4	91.2	94.1	95.7	96.9	97.1	97.2	97.5	99.4
GE 100	41.3	42.7	52.4	60.0	75.6	79.9	84.5	89.4	91.2	94.1	95.7	96.9	97.1	97.2	97.9	99.9
GE 000	41.3	42.7	52.4	60.0	75.6	79.9	84.5	89.5	91.4	94.3	95.8	97.1	97.2	97.4	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 717

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	11.0	11.3	14.4	15.9	19.5	20.7	21.0	21.8	22.4	22.5	22.8	22.8	22.8	23.0	23.0	23.0
GE 20000	12.4	12.8	15.9	17.5	21.8	23.0	23.3	24.3	25.1	25.2	25.5	25.5	25.5	25.7	25.7	25.7
GE 18000	12.4	12.8	15.9	17.5	21.8	23.0	23.3	24.3	25.1	25.2	25.5	25.5	25.5	25.7	25.7	25.7
GE 16000	12.4	12.8	15.9	17.5	21.8	23.0	23.3	24.3	25.1	25.2	25.5	25.5	25.5	25.7	25.7	25.7
GE 14000	12.8	13.3	16.3	18.0	22.2	23.4	23.7	24.8	25.5	25.7	26.0	26.0	26.0	26.1	26.1	26.1
GE 12000	13.3	13.7	16.8	18.4	22.7	23.9	24.2	25.2	26.0	26.1	26.4	26.4	26.4	26.6	26.6	26.6
GE 10000	15.3	15.7	19.0	20.7	25.2	26.4	26.7	27.8	28.5	28.7	29.0	29.0	29.0	29.2	29.2	29.2
GE 9000	16.8	17.2	20.5	22.2	26.7	27.9	28.2	29.3	30.1	30.2	30.5	30.5	30.5	30.7	30.7	30.7
GE 8000	19.3	19.8	23.6	25.2	30.2	31.7	32.3	33.4	34.1	34.3	34.9	34.9	34.9	35.0	35.0	35.0
GE 7000	21.1	21.6	25.8	27.5	32.8	34.6	35.5	36.6	37.3	37.5	38.1	38.1	38.1	38.2	38.2	38.2
GE 6000	22.1	22.5	27.0	28.7	34.0	35.8	36.7	37.8	38.5	38.7	39.3	39.3	39.3	39.4	39.4	39.4
GE 5000	24.9	25.4	30.7	32.8	38.5	40.6	41.5	42.6	43.4	43.5	44.1	44.1	44.1	44.3	44.3	44.3
GE 4500	26.4	26.9	32.3	34.6	40.3	42.6	43.5	44.9	45.6	45.8	46.4	46.4	46.4	46.5	46.5	46.5
GE 4000	28.4	28.9	34.9	37.9	44.0	46.5	47.6	49.4	50.2	50.6	51.2	51.2	51.2	51.4	51.4	51.4
GE 3500	30.1	30.7	37.2	40.5	47.1	49.8	51.2	53.0	53.8	54.2	54.8	54.8	54.8	55.0	55.0	55.0
GE 3000	35.6	36.9	45.9	50.3	58.0	60.9	62.7	65.4	66.3	66.8	67.4	67.4	67.4	67.5	67.5	67.5
GE 2500	38.2	39.4	49.2	53.8	61.8	65.1	66.9	69.8	70.7	71.1	71.8	71.8	71.8	71.9	71.9	72.2
GE 2000	41.2	42.4	53.8	59.4	68.1	72.1	74.2	77.6	78.7	79.2	79.8	79.8	79.8	79.9	79.9	80.2
GE 1800	42.0	43.2	54.7	60.6	70.2	74.2	76.3	79.8	80.8	81.3	81.9	81.9	81.9	82.0	82.0	82.3
GE 1500	42.9	44.1	55.9	62.1	74.3	78.7	80.8	85.2	86.3	86.7	87.6	87.6	87.6	87.8	87.8	88.1
GE 1200	43.1	44.3	56.0	62.4	75.8	80.2	82.3	87.0	88.1	88.5	89.6	89.7	89.7	89.9	89.9	90.2
GE 1000	43.1	44.3	56.3	62.8	76.6	81.4	83.7	88.5	90.2	91.2	92.6	93.2	93.2	93.4	93.4	93.7
GE 900	43.1	44.3	56.3	62.8	76.6	81.4	83.8	88.7	90.5	92.0	93.5	94.3	94.3	94.4	94.4	94.7
GE 800	43.1	44.3	56.3	62.8	76.6	81.4	83.8	88.8	90.6	92.1	93.7	94.4	94.4	94.6	94.6	94.9
GE 700	43.1	44.3	56.3	62.8	76.6	81.6	84.0	89.0	90.8	92.4	94.0	94.7	94.7	94.9	94.9	95.2
GE 600	43.1	44.3	56.3	62.8	76.6	81.6	84.0	89.6	91.4	93.2	94.7	95.5	95.5	95.6	95.6	95.9
GE 500	43.1	44.3	56.3	62.8	76.6	81.6	84.0	89.9	91.8	93.8	95.8	96.7	96.8	97.0	97.0	97.3
GE 400	43.1	44.3	56.3	62.8	76.6	81.6	84.0	89.9	91.8	93.8	95.9	97.0	97.1	97.3	97.3	97.7
GE 300	43.1	44.3	56.3	62.8	76.6	81.6	84.0	90.0	92.3	94.3	96.7	98.0	98.3	98.5	98.5	98.9
GE 200	43.1	44.3	56.3	62.8	76.6	81.6	84.0	90.0	92.3	94.3	96.7	98.0	98.3	98.5	98.5	99.7
GE 100	43.1	44.3	56.3	62.8	76.6	81.6	84.0	90.0	92.3	94.3	96.7	98.0	98.3	98.5	98.6	99.8
GE 000	43.1	44.3	56.3	62.8	76.6	81.6	84.0	90.2	92.4	94.4	96.8	98.2	98.5	98.6	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 662

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.7	12.9	15.6	17.9	19.7	20.3	21.6	23.0	23.2	24.0	25.1	25.1	25.1	25.1	25.3	25.5
GE 20000	13.3	13.6	16.4	18.7	20.5	21.4	22.6	24.0	24.2	25.1	26.1	26.1	26.1	26.1	26.3	26.5
GE 18000	13.3	13.6	16.4	18.7	20.5	21.4	22.6	24.0	24.2	25.1	26.1	26.1	26.1	26.1	26.3	26.5
GE 16000	13.3	13.6	16.4	18.7	20.5	21.4	22.6	24.0	24.2	25.1	26.1	26.1	26.1	26.1	26.3	26.5
GE 14000	14.0	14.2	17.0	19.3	21.1	22.0	23.2	24.6	24.8	25.7	26.7	26.7	26.7	26.7	26.9	27.1
GE 12000	14.4	14.6	17.5	19.7	21.6	22.4	23.6	25.1	25.3	26.1	27.1	27.1	27.1	27.1	27.3	27.5
GE 10000	16.0	16.2	19.1	21.4	23.2	24.0	25.3	26.7	26.9	27.7	28.7	28.7	28.7	28.7	29.0	29.2
GE 9000	16.6	16.8	19.7	22.0	23.8	24.6	25.9	27.3	27.5	28.3	29.4	29.4	29.4	29.4	29.6	29.8
GE 8000	20.5	20.9	24.6	27.1	29.6	31.0	32.2	33.9	34.1	34.9	35.9	35.9	35.9	35.9	36.1	36.3
GE 7000	22.8	23.2	27.5	30.0	32.6	34.5	35.7	37.6	37.8	38.6	39.6	39.6	39.6	39.6	39.8	40.0
GE 6000	23.0	23.4	27.7	30.2	32.9	34.7	35.9	37.8	38.0	38.8	39.8	39.8	39.8	39.8	40.0	40.2
GE 5000	25.3	25.7	30.8	33.5	36.3	38.2	39.4	41.3	41.5	42.3	43.3	43.3	43.3	43.3	43.5	43.7
GE 4500	26.5	26.9	32.6	35.3	38.6	40.5	41.7	43.5	43.7	44.6	45.6	45.6	45.6	45.6	45.8	46.0
GE 4000	30.0	30.4	37.0	39.6	43.3	46.0	47.2	49.1	49.3	50.1	51.1	51.1	51.1	51.1	51.3	51.5
GE 3500	32.2	32.9	39.4	42.5	46.8	49.7	51.1	53.0	53.2	54.0	55.0	55.0	55.0	55.0	55.2	55.4
GE 3000	39.2	40.0	48.7	53.0	58.3	61.2	62.8	65.9	66.7	68.0	69.0	69.0	69.0	69.0	69.2	69.4
GE 2500	42.3	43.3	52.4	57.3	63.0	66.5	68.4	71.5	72.3	73.5	74.5	74.5	74.5	74.5	74.7	74.9
GE 2000	45.4	46.8	57.5	63.0	68.8	72.7	74.9	78.6	79.9	81.1	82.1	82.1	82.1	82.1	82.3	82.5
GE 1800	46.0	47.4	58.5	64.7	70.6	75.2	77.4	81.5	82.8	84.0	85.0	85.0	85.0	85.0	85.2	85.4
GE 1500	46.8	48.3	60.2	66.7	73.9	79.9	82.1	87.1	88.7	89.9	91.0	91.0	91.0	91.0	91.2	91.4
GE 1200	47.2	48.7	60.6	67.1	74.5	80.5	82.8	87.7	89.3	90.6	91.6	91.6	91.6	91.6	91.8	92.0
GE 1000	47.4	48.9	61.0	67.6	74.9	81.3	84.0	89.1	90.8	92.0	93.0	93.2	93.2	93.2	93.4	93.6
GE 900	47.4	48.9	61.0	67.6	75.2	81.5	84.2	89.3	91.0	92.2	93.2	93.4	93.4	93.4	93.6	93.8
GE 800	47.4	48.9	61.4	68.0	75.6	81.9	84.6	89.7	91.4	92.6	93.6	93.8	93.8	93.8	94.0	94.3
GE 700	47.4	48.9	61.4	68.0	75.6	82.1	84.8	90.6	92.2	93.4	94.5	94.7	94.7	94.7	94.9	95.1
GE 600	47.4	48.9	61.4	68.0	75.6	82.1	84.8	91.0	92.6	93.8	94.9	95.1	95.1	95.1	95.3	95.5
GE 500	47.4	48.9	61.4	68.0	75.8	82.5	85.2	91.6	93.2	94.7	95.9	96.1	96.1	96.1	96.3	96.5
GE 400	47.4	48.9	61.4	68.0	75.8	82.5	85.2	91.8	93.4	95.3	96.5	97.1	97.1	97.1	97.3	97.5
GE 300	47.4	48.9	61.4	68.0	75.8	82.5	85.2	91.8	93.4	95.3	96.5	97.1	97.1	97.1	97.3	97.5
GE 200	47.4	48.9	61.4	68.0	75.8	82.5	85.2	91.8	93.4	95.5	96.7	97.5	97.7	97.9	98.2	99.0
GE 100	47.4	48.9	61.4	68.0	75.8	82.5	85.2	91.8	93.4	95.5	96.7	97.5	98.2	98.6	99.0	100.0
GE 000	47.4	48.9	61.4	68.0	75.8	82.5	85.2	91.8	93.4	95.5	96.7	97.5	98.2	98.6	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 487

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.8	13.6	14.5	17.8	20.7	22.3	22.7	24.0	24.4	26.0	26.9	26.9	26.9	26.9	26.9	27.7
GE 20000	15.3	16.1	16.9	20.2	23.1	24.8	25.2	26.4	26.9	28.5	29.3	29.3	29.3	29.3	29.3	30.2
GE 18000	15.3	16.1	16.9	20.2	23.1	24.8	25.2	26.4	26.9	28.5	29.3	29.3	29.3	29.3	29.3	30.2
GE 16000	15.3	16.1	16.9	20.2	23.1	24.8	25.2	26.4	26.9	28.5	29.3	29.3	29.3	29.3	29.3	30.2
GE 14000	15.3	16.1	16.9	20.2	23.1	24.8	25.2	26.4	26.9	28.5	29.3	29.3	29.3	29.3	29.3	30.2
GE 12000	16.1	16.9	17.8	21.1	24.0	25.6	26.0	27.3	27.7	29.3	30.2	30.2	30.2	30.2	30.2	31.0
GE 10000	18.2	19.0	19.8	23.1	26.0	27.7	28.1	29.3	29.8	31.4	32.2	32.2	32.2	32.2	32.2	33.1
GE 9000	18.6	19.4	20.2	23.6	26.4	28.1	28.5	29.8	30.2	31.8	32.6	32.6	32.6	32.6	32.6	33.5
GE 8000	19.8	20.7	21.9	25.2	28.1	29.8	30.2	31.4	31.8	33.5	34.3	34.3	34.3	34.3	34.3	35.1
GE 7000	21.5	22.3	23.6	27.3	30.6	32.2	32.6	33.9	34.3	36.0	36.8	36.8	36.8	36.8	36.8	37.6
GE 6000	21.9	23.1	24.4	28.1	31.4	33.1	33.5	34.7	35.1	36.8	37.6	37.6	37.6	37.6	37.6	38.4
GE 5000	24.4	25.6	26.9	30.6	34.7	36.4	36.8	38.0	38.4	40.1	40.9	40.9	40.9	40.9	40.9	41.7
GE 4500	25.2	26.4	28.1	32.6	36.8	38.4	38.8	40.1	40.5	42.1	43.0	43.0	43.0	43.0	43.0	43.8
GE 4000	30.2	31.4	33.9	38.8	43.4	45.5	45.9	47.1	47.5	49.2	50.0	50.0	50.0	50.0	50.0	50.8
GE 3500	32.2	33.5	36.4	42.1	47.5	50.0	50.4	52.5	52.9	54.5	55.4	55.4	55.4	55.4	55.4	56.2
GE 3000	38.8	40.1	45.5	54.1	59.9	62.4	62.8	66.1	67.4	69.0	69.8	69.8	69.8	69.8	69.8	70.7
GE 2500	44.2	45.5	50.8	60.3	66.5	69.0	69.8	74.4	75.6	77.3	78.1	78.1	78.1	78.1	78.1	78.9
GE 2000	47.5	48.8	54.5	64.9	71.1	74.4	75.2	79.8	81.0	82.6	83.5	83.5	83.5	83.5	83.5	84.3
GE 1800	47.5	48.8	54.5	64.9	71.5	75.6	76.4	81.0	82.2	83.9	84.7	84.7	84.7	84.7	84.7	85.5
GE 1500	48.3	49.6	56.6	66.9	74.4	78.9	80.6	86.0	87.2	88.8	89.7	89.7	89.7	89.7	89.7	90.5
GE 1200	48.8	50.0	57.4	67.8	75.2	79.8	81.4	86.8	88.0	89.7	90.5	90.5	90.5	90.5	90.5	91.3
GE 1000	48.8	50.0	57.4	67.8	75.6	80.6	82.2	87.6	88.8	90.5	91.3	91.3	91.3	91.3	91.3	92.1
GE 900	48.8	50.0	57.4	67.8	76.0	81.0	82.6	88.0	89.3	90.9	91.7	91.7	91.7	91.7	91.7	92.6
GE 800	48.8	50.0	58.3	68.6	76.9	81.8	83.5	88.8	90.1	91.7	92.6	92.6	92.6	92.6	92.6	93.4
GE 700	48.8	50.0	58.3	68.6	76.9	81.8	83.5	89.7	90.9	92.6	93.4	93.4	93.4	93.4	93.4	94.2
GE 600	48.8	50.0	58.3	68.6	76.9	82.2	83.9	90.5	91.7	93.4	94.2	94.2	94.2	94.2	94.2	95.0
GE 500	48.8	50.0	58.3	69.0	77.3	82.6	84.3	90.9	92.1	93.8	95.0	95.0	95.0	95.0	95.0	95.9
GE 400	48.8	50.0	58.3	69.0	77.3	82.6	84.3	91.3	93.0	94.6	95.9	96.7	96.7	96.7	96.7	97.5
GE 300	48.8	50.0	58.3	69.0	77.3	82.6	84.3	91.3	93.0	94.6	96.3	97.5	97.5	98.3	98.3	99.6
GE 200	48.8	50.0	58.3	69.0	77.3	82.6	84.3	91.3	93.0	94.6	96.3	97.5	97.5	98.3	98.3	99.6
GE 100	48.8	50.0	58.3	69.0	77.3	82.6	84.3	91.3	93.0	94.6	96.3	97.5	97.5	98.3	98.3	100.0
GE 000	48.8	50.0	58.3	69.0	77.3	82.6	84.3	91.3	93.0	94.6	96.3	97.5	97.5	98.3	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 242

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	10.1	10.4	12.8	14.6	18.2	19.1	19.7	20.6	20.9	21.5	21.9	22.0	22.1	22.1	22.2	22.4
GE 20000	11.5	11.8	14.3	16.2	20.0	21.0	21.7	22.9	23.3	23.9	24.3	24.4	24.5	24.5	24.6	24.9
GE 18000	11.6	11.8	14.3	16.2	20.1	21.1	21.8	23.0	23.4	24.0	24.4	24.5	24.6	24.6	24.7	25.0
GE 16000	11.6	11.9	14.3	16.3	20.1	21.1	21.8	23.0	23.4	24.0	24.4	24.5	24.6	24.7	24.8	25.0
GE 14000	11.8	12.1	14.5	16.5	20.3	21.3	22.0	23.2	23.6	24.3	24.6	24.8	24.8	24.9	25.0	25.2
GE 12000	12.2	12.5	15.0	16.9	20.7	21.8	22.4	23.6	24.0	24.7	25.1	25.2	25.2	25.3	25.4	25.7
GE 10000	13.4	13.7	16.3	18.3	22.2	23.2	23.9	25.1	25.5	26.2	26.6	26.7	26.8	26.9	27.0	27.2
GE 9000	14.5	14.9	17.8	19.9	23.8	24.9	25.7	26.9	27.3	28.0	28.4	28.5	28.6	28.6	28.7	29.0
GE 8000	17.0	17.3	20.8	23.0	27.5	28.8	29.7	31.0	31.4	32.1	32.6	32.7	32.8	32.8	32.9	33.2
GE 7000	18.4	18.8	22.6	24.8	29.7	31.1	32.4	33.8	34.2	35.0	35.5	35.7	35.8	35.9	36.0	36.2
GE 6000	19.2	19.7	23.5	25.7	30.7	32.2	33.4	34.9	35.3	36.0	36.6	36.7	36.9	36.9	37.0	37.3
GE 5000	22.1	22.5	26.9	29.3	34.7	36.2	37.5	39.1	39.5	40.2	40.8	40.9	41.1	41.1	41.2	41.5
GE 4500	23.3	23.8	28.4	31.1	36.5	38.2	39.5	41.1	41.6	42.3	42.8	43.0	43.1	43.2	43.3	43.6
GE 4000	26.8	27.3	33.0	36.2	42.4	44.4	45.9	47.7	48.1	49.0	49.6	49.7	49.9	49.9	50.0	50.3
GE 3500	29.5	30.3	36.2	39.7	46.6	48.8	50.6	52.6	53.0	54.0	54.5	54.7	54.9	54.9	55.0	55.3
GE 3000	34.5	35.6	43.2	47.8	55.9	58.1	60.2	62.9	63.7	64.7	65.4	65.5	65.7	65.7	65.9	66.2
GE 2500	37.0	38.2	46.3	51.3	59.9	62.5	64.8	67.6	68.5	69.6	70.4	70.6	70.7	70.8	70.9	71.2
GE 2000	40.0	41.3	50.8	56.8	66.9	69.9	72.6	75.8	76.8	77.9	78.8	79.0	79.1	79.2	79.3	79.7
GE 1800	40.5	41.8	51.6	58.0	68.6	71.7	74.5	77.7	78.8	79.9	80.8	81.0	81.1	81.2	81.3	81.6
GE 1500	41.2	42.5	52.7	59.6	71.7	75.5	78.4	82.2	83.4	84.7	85.9	86.2	86.3	86.5	86.6	87.0
GE 1200	41.5	42.8	53.2	60.3	73.2	77.2	80.2	84.3	85.5	86.9	88.2	88.5	88.7	88.9	89.0	89.4
GE 1000	41.6	42.9	53.5	60.7	74.0	78.3	81.4	85.8	87.2	88.9	90.3	90.9	91.1	91.3	91.4	91.8
GE 900	41.6	43.0	53.5	60.8	74.1	78.5	81.6	86.1	87.6	89.4	90.7	91.3	91.6	91.8	91.9	92.3
GE 800	41.6	43.0	53.7	60.9	74.4	78.8	82.0	86.6	88.1	89.9	91.3	91.9	92.2	92.4	92.5	93.0
GE 700	41.6	43.0	53.7	60.9	74.4	78.9	82.1	86.9	88.4	90.2	91.7	92.3	92.6	92.8	92.9	93.4
GE 600	41.6	43.0	53.7	60.9	74.4	78.9	82.3	87.4	89.0	90.9	92.4	93.0	93.3	93.5	93.7	94.2
GE 500	41.6	43.0	53.7	61.0	74.5	79.1	82.6	87.9	89.6	91.7	93.5	94.2	94.5	94.8	94.9	95.4
GE 400	41.6	43.0	53.7	61.0	74.5	79.1	82.6	88.0	89.7	91.9	93.8	94.7	95.0	95.2	95.4	96.0
GE 300	41.6	43.0	53.7	61.0	74.5	79.1	82.6	88.3	90.0	92.3	94.4	95.5	96.0	96.3	96.5	97.3
GE 200	41.6	43.0	53.7	61.0	74.5	79.1	82.6	88.3	90.1	92.4	94.6	95.8	96.2	96.7	97.0	98.9
GE 100	41.6	43.0	53.7	61.0	74.5	79.1	82.6	88.3	90.1	92.5	94.7	96.0	96.5	97.0	97.4	99.9
GE 000	41.6	43.0	53.7	61.0	74.5	79.1	82.6	88.3	90.1	92.5	94.8	96.0	96.5	97.1	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 3410

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: ALL HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	21.7	22.3	26.7	29.5	34.0	35.1	35.8	36.5	36.7	36.9	37.0	37.2	37.2	37.3	37.3	37.5
GE 20000	24.6	25.2	30.2	33.2	38.4	39.5	40.4	41.1	41.3	41.6	41.8	41.9	42.0	42.0	42.1	42.3
GE 18000	24.7	25.4	30.4	33.4	38.6	39.7	40.6	41.3	41.6	41.8	42.0	42.1	42.2	42.3	42.4	42.5
GE 16000	24.7	25.4	30.4	33.5	38.6	39.8	40.6	41.4	41.6	41.8	42.0	42.2	42.2	42.3	42.4	42.6
GE 14000	24.8	25.5	30.5	33.6	38.7	39.9	40.7	41.5	41.7	41.9	42.1	42.3	42.4	42.4	42.5	42.7
GE 12000	25.1	25.8	30.9	34.0	39.2	40.4	41.2	42.0	42.2	42.5	42.7	42.8	42.9	42.9	43.0	43.2
GE 10000	26.8	27.5	33.0	36.3	41.8	43.0	44.0	44.8	45.0	45.3	45.5	45.6	45.7	45.8	45.9	46.0
GE 9000	28.0	28.7	34.4	37.8	43.5	44.8	45.7	46.6	46.8	47.1	47.3	47.5	47.5	47.6	47.7	47.8
GE 8000	31.7	32.5	38.9	42.7	49.1	50.5	51.6	52.5	52.8	53.1	53.4	53.5	53.6	53.7	53.8	53.9
GE 7000	33.2	34.2	40.8	44.8	51.6	53.1	54.2	55.2	55.5	55.8	56.1	56.3	56.4	56.4	56.5	56.7
GE 6000	33.8	34.7	41.5	45.6	52.4	53.9	55.1	56.1	56.4	56.7	57.0	57.1	57.2	57.3	57.4	57.6
GE 5000	36.0	37.0	44.2	48.5	55.7	57.3	58.6	59.6	59.9	60.2	60.5	60.7	60.8	60.9	61.0	61.1
GE 4500	37.1	38.2	45.6	50.0	57.4	59.0	60.3	61.4	61.8	62.1	62.3	62.5	62.6	62.7	62.8	63.0
GE 4000	41.8	43.0	51.2	56.1	64.4	66.2	67.6	68.9	69.2	69.5	69.8	70.0	70.1	70.2	70.3	70.5
GE 3500	45.0	46.2	54.9	60.1	69.0	70.9	72.5	73.8	74.1	74.5	74.8	75.0	75.1	75.2	75.3	75.5
GE 3000	50.5	52.0	61.8	67.6	77.5	79.7	81.5	83.0	83.5	83.9	84.2	84.4	84.6	84.6	84.7	84.9
GE 2500	51.9	53.3	63.5	69.6	79.9	82.2	84.1	85.8	86.2	86.7	87.0	87.3	87.4	87.5	87.6	87.7
GE 2000	53.1	54.6	65.2	71.7	82.8	85.4	87.4	89.3	89.8	90.3	90.7	90.9	91.0	91.1	91.2	91.4
GE 1800	53.3	54.8	65.5	72.0	83.3	85.9	88.0	89.9	90.4	90.9	91.3	91.6	91.7	91.8	91.9	92.1
GE 1500	53.5	55.1	65.9	72.6	84.4	87.2	89.4	91.5	92.1	92.6	93.0	93.3	93.4	93.5	93.7	93.8
GE 1200	53.6	55.2	66.2	72.9	85.0	87.8	90.1	92.2	92.9	93.4	93.9	94.2	94.4	94.5	94.6	94.8
GE 1000	53.7	55.2	66.2	73.1	85.3	88.2	90.6	92.9	93.6	94.2	94.8	95.2	95.4	95.5	95.6	95.8
GE 900	53.7	55.2	66.2	73.1	85.4	88.3	90.7	93.1	93.9	94.5	95.1	95.5	95.7	95.8	95.9	96.1
GE 800	53.7	55.2	66.3	73.1	85.5	88.5	90.9	93.4	94.1	94.8	95.4	95.9	96.0	96.2	96.3	96.5
GE 700	53.7	55.2	66.3	73.1	85.6	88.5	91.0	93.6	94.4	95.0	95.7	96.2	96.4	96.5	96.6	96.8
GE 600	53.7	55.2	66.3	73.1	85.6	88.6	91.1	93.7	94.6	95.2	96.0	96.5	96.7	96.8	96.9	97.2
GE 500	53.7	55.2	66.3	73.1	85.6	88.7	91.2	93.9	94.8	95.5	96.4	97.0	97.1	97.3	97.4	97.7
GE 400	53.7	55.2	66.3	73.1	85.6	88.7	91.2	94.0	94.9	95.7	96.7	97.3	97.5	97.6	97.8	98.1
GE 300	53.7	55.2	66.3	73.1	85.6	88.7	91.2	94.0	95.0	95.8	96.9	97.5	97.8	98.0	98.2	98.8
GE 200	53.7	55.2	66.3	73.1	85.6	88.7	91.2	94.0	95.0	95.8	97.0	97.7	97.9	98.3	98.5	99.3
GE 100	53.7	55.2	66.3	73.1	85.6	88.7	91.2	94.0	95.0	95.8	97.0	97.7	98.0	98.3	98.6	99.9
GE 000	53.7	55.2	66.3	73.1	85.6	88.7	91.2	94.0	95.0	95.9	97.0	97.7	98.0	98.3	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 46167

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	EEEEEEEEEE
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTTT	EEEEEEEEEE
PP PP	AA AA	RR RR	TT	EE
PP PP	AA AA	RR RR	TT	EE
PPPPPPPP	AA AA	RRRRRRRR	TT	EEEEEE
PPPPPPPP	AAAAAAAAAA	RRRRRRRR	TT	EEEEEE
PP	AAAAAAAAAA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EEEEEEEEEE
PP	AA AA	RR RR	TT	EEEEEEEEEE

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PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN. THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, DEW POINT TEMPERATURES ARE NOT REPORTED (FMH-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW" TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES ARE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES MAY DEPICT A SLIGHT "WARM" BIAS.

TEMPERATURE CONVERSIONS: $F = 1.8C + 32$
 $C = K - 273.0$ (BEFORE 5 APRIL 77)
 $C = K - 273.2$ (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).
CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED.
THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: -01

PERIOD OF RECORD: 7101-9009
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 95						.7	2.7	.9					.4
GE 90						3.0	9.9	4.0					1.4
GE 85					1.4	7.7	19.4	13.3	1.8				3.7
GE 80				.4	8.6	24.6	38.0	35.5	9.6	.4			10.0
GE 75			.5	3.0	22.3	39.5	58.8	59.5	24.7	1.8			18.0
GE 70			1.2	12.5	40.1	57.3	77.4	78.2	45.0	7.0			27.3
GE 65			6.7	22.3	54.8	74.2	89.6	91.3	63.2	17.2	.2		35.9
GE 60		1.7	14.5	43.2	77.7	94.2	98.9	99.5	88.6	40.6	3.6	.6	48.1
GE 55	2.3	4.3	30.8	61.2	90.8	99.5	99.8	100.0	97.7	65.7	13.8	5.5	57.2
GE 50	10.7	15.7	55.9	83.7	97.9	100.0	100.0		99.6	87.8	34.6	17.6	68.1
GE 45	28.2	40.4	80.0	95.8	99.8				100.0	97.3	58.3	35.6	78.9
GE 40	45.8	61.3	91.5	98.6	100.0					99.5	79.2	55.5	86.5
GE 35	73.6	84.7	98.5	100.0						100.0	94.3	79.6	94.5
GE 33	79.0	89.5	98.8								96.6	86.8	96.1
GE 30	85.6	95.9	99.1								99.2	94.7	97.9
GE 25	92.9	98.7	100.0								100.0	98.6	99.2
GE 20	95.9	99.8										99.8	99.6
GE 15	99.5	100.0										100.0	100.0
GE 10	100.0												100.0
MEAN	38.7	42.1	50.9	58.0	66.7	72.0	76.8	76.1	68.7	57.8	46.3	41.5	58.4
SD	8.90	7.62	8.37	8.86	9.00	8.80	9.00	7.85	7.79	7.61	7.37	7.88	15.70
TOTAL OBS	561	535	585	569	584	569	566	578	571	557	523	494	6692

E - 2 - 1

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: -01

PERIOD OF RECORD: 7101-9009
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 90							.2						.0
GE 85							.2						.0
GE 80							.2	.2					.0
GE 75						.7	1.2	.9					.2
GE 70					.5	1.8	4.9	2.4	.9				.9
GE 65					1.5	7.0	17.3	8.7	2.6				3.2
GE 60		.2	.2		10.8	32.7	49.8	45.5	14.4	1.3	.2		13.2
GE 55		.4	1.9	3.9	31.2	65.7	84.5	80.4	41.7	10.6	1.1	.8	27.5
GE 50	.9	1.3	6.5	15.3	62.2	92.4	98.6	95.3	70.8	33.2	6.9	4.5	41.6
GE 45	7.3	5.4	19.7	36.2	86.3	99.3	100.0	99.0	91.4	58.2	22.2	14.4	54.3
GE 40	18.0	15.5	38.5	61.3	95.5	100.0		100.0	97.9	77.2	40.7	27.9	65.3
GE 35	45.6	44.7	68.4	89.1	100.0				100.0	94.4	70.7	56.3	81.4
GE 33	57.9	55.3	77.3	95.6						96.8	79.2	64.0	86.0
GE 30	70.6	71.0	88.4	98.9						99.5	89.1	76.1	91.5
GE 25	81.1	87.7	96.4	100.0						100.0	97.3	88.7	96.1
GE 20	85.7	92.0	98.3								99.6	94.7	97.6
GE 15	92.7	96.6	99.7								100.0	99.2	99.0
GE 10	97.5	99.1	100.0									99.8	99.7
GE 5	98.8	99.8										100.0	99.9
GE 0	100.0	100.0											100.0
MEAN	32.0	32.6	38.0	42.4	51.2	56.8	59.8	58.7	52.9	45.7	38.4	35.1	45.6
SD	9.73	8.25	7.62	6.31	6.39	5.73	5.62	5.56	6.35	6.95	7.38	8.58	12.15
TOTAL OBS	561	535	585	569	584	569	566	578	571	557	523	494	6692

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: -01

PERIOD OF RECORD: 7101-9009

MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 90							.2						.0
GE 85						.4	.9						.1
GE 80						1.4	4.9	1.7					.7
GE 75					.9	7.0	19.1	10.6	1.8				3.3
GE 70					6.8	24.3	42.2	37.5	8.4	.2			10.2
GE 65				1.4	21.7	47.1	70.5	69.9	28.0	2.7			20.6
GE 60		.2	2.2	8.8	48.1	75.4	92.9	92.6	57.8	13.3	.4		33.5
GE 55		.7	8.7	29.9	75.0	95.8	99.8	99.7	85.8	36.4	4.2	1.4	45.9
GE 50	4.1	4.1	25.6	52.4	91.8	100.0	100.0	100.0	97.9	63.2	17.6	8.9	56.6
GE 45	15.3	15.1	50.1	79.3	98.6				100.0	86.9	40.2	24.1	68.5
GE 40	36.0	42.4	78.1	97.2	100.0					97.8	67.5	47.0	81.2
GE 35	62.7	69.5	93.0	99.6						100.0	87.6	69.4	90.6
GE 33	71.1	77.8	95.9	99.8							91.4	76.7	93.0
GE 30	78.8	87.1	97.9	100.0							96.2	86.0	95.7
GE 25	86.5	95.1	99.1								99.8	95.7	98.1
GE 20	92.9	97.8	99.8								100.0	99.2	99.1
GE 15	97.0	99.6	100.0									99.8	99.7
GE 10	99.3	100.0										100.0	99.9
GE 5	100.0												100.0
MEAN	35.6	37.7	44.7	50.5	59.2	64.7	68.6	67.7	61.1	52.0	42.7	38.6	52.2
SD	9.12	7.45	7.22	6.59	6.72	6.52	6.44	5.61	6.07	6.43	7.04	7.99	13.49
TOTAL OBS	561	535	585	569	584	569	566	578	571	557	523	494	6692

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: -01

PERIOD OF RECORD: 7101-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
71	51	50	57	82	86	80	96	95	82	73	62	57	96
72	44	53	69	75	78	87	93	89	78	69	62	51*	93*
73	48	48	69	73	82	91	91	91	89	73	57	50*	91*
74	57	62	69	75	78	84	87	96	82	57	62	59	96
75	55	57	62	78	82	86	91	91	84	66	57	46*	91*
76	51	60	66	75	89	95	96	86	78	78	57	51*	96*
77	53	55	69	71	80	91	89	87	82	78	66	60	91
78	48	60	71	71	82	86	89	86	78	73	53	55	89
79	39	51	59	71	89	89	87	84	84	79	57	59*	89*
80	50	54	63	73	75	84	88*	84	81	64	61*	52*	88*
81	45*	52	70	75*	84	88*	90*	91*	79	66*	63*	52*	91*
82	54*	54	68*	72	82	93	91	91	86	63	61	55	93*
83	57	54	63	75	79	84	99	91	81	79	61	50*	99*
84	55	52	59	75	81	86	99	90	82	70	59	46	99
85	52	54*	57	77*	77*	86	91*	95*	86	82	63*	57*	95*
86	52	41	63*	72	81*	90*	90*	84*	77*	72*	61*	54*	90*
87	45*	52*	57*	79*	75*	91*	88*	88*	86*	70*	57*	61*	91*
88	57*	50	57*	79*	82*	81	90*	90*	81	66*	54*	54*	90*
89	52*	55*	79*	70	82*	88*	90*	93*	84*	75*	57*	61*	93*
90	57	64*	70*	72*	81	90	93*	95*	72				95*
.....													
GREATEST	57	64	79	82	89	95	99	96	89	82	66	61	99
.....													
TOTAL OBS	561	535	585	569	584	569	566	578	571	557	523	494	6692
.....													

THE GREATEST VALUE OF 99 OCCURRED ON 07/26/83

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: -01

PERIOD OF RECORD: 7101-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
71	6	19	10	33	42	48	50	50	37	30	24	23	6
72	14	10	26	30	42	46	53	46	37	30	28	19*	10*
73	19	24	26	30	42	46	53	53	41	30	24	15*	15*
74	30	28	28	35	39	46	51	51	42	30	28	30	28
75	32	24	30	30	41	42	53	53	51	37	23	15*	15*
76	10	23	21	28	39	46	53	50	44	37	32	6*	6*
77	24	26	24	30	41	46	51	53	41	39	21	19	19
78	28	12	30	35	42	44	51	42	39	33	23	14	12
79	1	24	32	30	35	53	46	42	39	34	28	25*	1*
80	12	27	28	34	36	43	45*	43	43	32	25*	19*	12*
81	18*	18	30	28*	41	48*	52*	46*	46	36*	25*	18*	18*
82	3*	21	28*	30	36	50	52	52	46	36	28	25	3*
83	27	16	27	32	43	45	52	50	41	30	19	16*	16*
84	27	16	23	30	37	45	52	48	46	36	27	21	16
85	1	3*	27	34*	41*	46	52*	46*	39	28	21*	10*	1*
86	25	10	25*	25	41*	45*	48*	48*	39*	32*	28*	27*	10*
87	1*	9*	16*	28*	39*	48*	54*	46*	37*	36*	30*	14*	1*
88	28*	27	25*	30*	46*	48	52*	50*	45	30*	19*	25*	19*
89	25*	28*	32*	36	36*	46*	46*	46*	39*	36*	21*	21*	21*
90	28	27*	32*	32*	43	45	48*	50*	43				27*
.....													
LEAST	1	3	10	25	35	42	45	42	37	28	19	6	1
.....													
TOTAL OBS	561	535	585	569	584	569	566	578	571	557	523	494	6692
.....													

THE LEAST VALUE OF 1 OCCURRED ON 01/02/79

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: -01

PERIOD OF RECORD: 7101-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
71	32	39	39	54	63	63	71	69	60	53	42	40	52
72	33	40	47	51	58	63	69	66	56	49	43	37*	51*
73	35	38	44	48	62	67	69	71	64	52	44	37*	53*
74	44	43	48	53	58	64	66	69	62	46	45	44	54
75	43	39	44	51	59	65	71	72	65	49	42	36*	53*
76	39	38	42	51	62	71	71	68	61	54	44	34*	54*
77	38	44	49	48	59	65	68	67	59	54	45	38	53
78	38	35	47	54	58	63	65	64	59	50	40	37	51
79	26	35	45	49	59	68	66	64	62	53	42	45*	51*
80	33	42	45	48	56	62	63*	67	62	50	41*	35*	50*
81	31*	34	50	52*	58	64*	66*	66*	62	51*	44*	35*	51*
82	28*	36	45*	49	60	68	72	68	66	53	46	40	54*
83	42	34	45	52	55	67	75	70	62	53	40	34*	53*
84	38	37	41	49	55	62	67	67	59	55	43	37	51
85	26	30*	41	51*	60*	61	68*	67*	62	52	36*	42*	50*
86	38	26	42*	48	62*	66*	67*	66*	56*	54*	46*	41*	51*
87	26*	36*	37*	52*	53*	62*	66*	65*	64*	52*	44*	38*	50*
88	42*	40	42*	52*	63*	63	68*	68*	60	54*	40*	42*	53*
89	39*	40*	50*	48	62*	64*	69*	68*	62*	55*	41*	39*	54*
90	40	48*	49*	50*	62	64	67*	70*	58				56*
.....													
MEAN	35.6	37.7	44.7	50.5	59.2	64.7	68.6	67.7	61.1	52.0	42.7	38.6	52.2
.....													
TOTAL OBS	561	535	585	569	584	569	566	578	571	557	523	494	6692

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	33.0	10.398	669	0	280	0	0	0	669
09-11	33.9	10.055	743	0	279	0	0	0	743
12-14	36.9	9.636	731	0	207	0	0	0	731
15-17	37.2	9.513	700	0	181	0	0	0	700
18-20	35.4	9.582	593	0	182	0	0	0	593
21-23	33.5	10.111	324	0	129	0	0	0	324
ALL HOURS	35.1	9.954	3760	0	1258	0	0	0	3760

MONTH: FEB

00-02	.0	.000	0	0	0	0	0	0	0
03-05	21.0	.000	1	0	1	0	0	0	1
06-08	31.7	9.812	631	0	313	0	0	0	631
09-11	34.2	8.936	701	0	283	0	0	0	701
12-14	38.5	8.107	707	0	153	0	0	0	707
15-17	39.6	7.784	658	0	109	0	0	0	658
18-20	36.7	7.962	595	0	179	0	0	0	595
21-23	33.5	8.223	326	0	141	0	0	0	326
ALL HOURS	35.9	9.002	3619	0	1179	0	0	0	3619

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	42.9	5.521	30	0	1	0	0	0	30
06-08	38.9	8.089	720	0	162	0	0	0	720
09-11	43.1	7.633	776	0	56	2	0	0	776
12-14	47.9	8.098	766	0	12	19	0	0	766
15-17	49.3	8.352	738	0	6	26	0	0	738
18-20	46.2	7.937	688	0	17	12	0	0	688
21-23	42.5	7.162	349	0	25	0	0	0	349
ALL HOURS	44.9	8.674	4067	0	279	59	0	0	4067

MONTH: APR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	42.8	6.700	208	0	10	0	0	0	208
06-08	44.1	6.575	724	0	26	0	0	0	724
09-11	50.9	7.359	748	0	1	20	0	0	748
12-14	55.4	8.763	757	0	0	103	0	0	757
15-17	56.8	9.145	694	0	0	123	0	0	694
18-20	53.7	8.526	630	0	1	60	0	0	630
21-23	50.2	7.115	223	0	1	2	0	0	223
ALL HOURS	51.5	9.330	3984	0	39	308	0	0	3984

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280 STATION NAME: COLEMAN AAF/MANNHEIM DL PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: - 1 MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	50.9	6.204	206	0	0	1	0	0	206
06-08	53.6	6.283	729	0	0	21	0	0	729
09-11	59.8	7.782	736	0	0	173	1	0	736
12-14	63.9	8.833	739	0	0	318	25	0	739
15-17	64.7	9.345	672	0	0	313	38	0	672
18-20	62.4	8.973	604	0	0	237	16	0	604
21-23	58.5	7.137	218	0	0	38	0	0	218
ALL HOURS	60.1	9.244	3904	0	0	1101	80	0	3904

MONTH: JUN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	56.0	5.280	206	0	0	10	0	0	206
06-08	59.2	5.992	725	0	0	115	0	0	725
09-11	65.2	7.897	742	0	0	335	31	0	742
12-14	68.8	8.863	733	0	0	438	109	0	733
15-17	70.2	9.181	685	0	0	457	121	1	685
18-20	67.7	8.709	636	0	0	359	74	0	636
21-23	63.6	6.989	243	0	0	89	2	0	243
ALL HOURS	65.5	9.118	3970	0	0	1803	337	1	3970

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	59.2	5.296	208	0	0	26	0	0	208
06-08	62.7	5.839	715	0	0	225	0	0	715
09-11	70.2	7.403	730	0	0	529	89	0	730
12-14	74.8	8.678	734	0	0	619	239	11	734
15-17	76.4	9.105	669	0	0	585	244	20	669
18-20	73.7	8.496	630	0	0	504	173	5	630
21-23	68.6	6.834	235	0	0	146	18	0	235
ALL HOURS	70.6	9.459	3921	0	0	2634	763	36	3921

MONTH: AUG

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	59.0	5.825	221	0	0	26	1	0	221
06-08	60.9	5.702	737	0	0	148	0	0	737
09-11	68.7	6.708	758	0	0	494	45	0	758
12-14	73.6	7.801	757	0	0	631	194	0	757
15-17	75.2	8.060	709	0	0	618	222	12	709
18-20	71.7	7.708	667	0	0	510	116	2	667
21-23	67.0	6.172	243	0	0	146	5	0	243
ALL HOURS	69.2	8.959	4092	0	0	2573	583	14	4092

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280 STATION NAME: COLEMAN AAF/MANNHEIM DL PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: - 1 MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
				LE 0	LE 32	GE 65	GE 80	GE 93	HOURS
00-02	.0	.000	0	0	0	0	0	0	0
03-05	54.3	6.238	176	0	0	9	0	0	176
06-08	54.7	6.271	743	0	0	32	0	0	743
09-11	61.3	6.383	758	0	0	200	0	0	758
12-14	66.9	7.431	750	0	0	406	42	0	750
15-17	67.6	7.753	687	0	0	395	51	0	687
18-20	63.5	6.965	591	0	0	215	10	0	591
21-23	59.5	5.824	215	0	0	32	0	0	215
ALL HOURS	62.1	8.414	3920	0	0	1289	103	0	3920

MONTH: OCT

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	.0	.000	0	0	0	0	0	0	0
03-05	47.5	3.536	2	0	0	0	0	0	2
06-08	48.1	7.418	694	0	20	2	0	0	694
09-11	51.8	7.084	790	0	3	21	0	0	790
12-14	56.4	7.188	781	0	0	73	3	0	781
15-17	57.4	7.261	730	0	0	94	4	0	730
18-20	54.0	6.892	649	0	1	32	0	0	649
21-23	51.3	6.816	362	0	2	5	0	0	362
ALL HOURS	53.4	7.872	4008	0	26	227	7	0	4008

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	38.8	8.462	615	0	165	0	0	0	615
09-11	41.1	8.161	693	0	1.3	0	0	0	693
12-14	44.7	7.843	703	0	56	0	0	0	703
15-17	44.9	7.803	659	0	49	0	0	0	659
18-20	42.3	7.963	550	0	78	0	0	0	550
21-23	40.8	8.271	311	0	66	0	0	0	311
ALL HOURS	42.3	8.347	3531	0	527	0	0	0	3531

MONTH: DEC

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	38.3	.913	3	0	0	0	0	0	3
06-08	36.6	8.903	588	0	190	0	0	0	588
09-11	37.2	8.203	711	0	201	0	0	0	711
12-14	39.9	7.521	717	0	119	0	0	0	717
15-17	40.1	7.630	662	0	111	0	0	0	662
18-20	38.7	7.816	487	0	97	0	0	0	487
21-23	37.6	8.101	242	0	59	0	0	0	242
ALL HOURS	38.5	8.164	3410	0	777	0	0	0	3410

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	53.4	8.410	1261	0	12	72	1	0	1261
06-08	47.4	13.051	8290	0	1156	543	0	0	8290
09-11	51.6	15.023	8886	0	936	1774	166	0	8886
12-14	55.8	15.628	8875	0	547	2607	612	11	8875
15-17	56.7	16.002	8263	0	456	2611	680	33	8263
18-20	54.4	15.551	7320	0	555	1929	389	7	7320
21-23	49.1	14.353	3291	0	423	458	25	0	3291
ALL HOURS	52.9	15.263	46186	0	4085	9994	1873	51	46186

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	31.9	9.620	669	291	1	0	0	0	669
09-11	32.5	9.227	743	311	4	0	0	0	743
12-14	34.7	8.682	731	229	10	0	0	0	731
15-17	35.0	8.506	700	212	14	0	0	0	700
18-20	33.8	8.779	593	205	9	0	0	0	593
21-23	32.1	9.332	324	135	2	0	0	0	324
ALL HOURS	33.5	9.109	3760	1383	40	0	0	0	3760

MONTH: FEB

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	21.0	.000	1	1	0	0	0	0	1
06-08	30.6	9.163	631	328	4	0	0	0	631
09-11	32.4	8.318	701	317	8	0	0	0	701
12-14	35.3	7.332	707	237	20	0	0	0	707
15-17	36.1	6.927	658	180	16	0	0	0	658
18-20	34.3	7.481	595	226	15	0	0	0	595
21-23	31.7	7.831	326	165	4	0	0	0	326
ALL HOURS	33.6	8.135	3619	1454	67	0	0	0	3619

PERATING LOCATION "A"
SAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

TATION NUMBER: 107280 STATION NAME: COLEMAN AAF/MANNHEIM DL PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: - 1 MONTH: MAR

OURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
0-02	.0	.000	0	0	0	0	0	0	0
3-05	41.2	5.003	30	2	0	0	0	0	30
6-08	37.3	7.408	720	180	37	0	0	0	720
9-11	40.1	6.688	776	84	76	0	0	0	776
2-14	42.8	6.503	766	32	123	0	0	0	766
5-17	43.4	6.478	738	21	126	0	0	0	738
8-20	41.9	6.623	688	47	97	0	0	0	688
1-23	39.5	6.419	349	35	28	0	0	0	349
ALL OURS	41.0	7.049	4067	401	487	0	0	0	4067

MONTH: APR

OURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
0-02	.0	.000	0	0	0	0	0	0	0
3-05	40.8	6.092	208	16	18	0	0	0	208
6-08	41.6	5.989	724	48	81	0	0	0	724
9-11	45.6	5.498	748	4	207	0	0	0	748
2-14	47.6	5.876	757	4	297	0	0	0	757
5-17	48.2	6.002	694	4	282	0	0	0	694
8-20	46.8	6.000	630	3	223	0	0	0	630
1-23	45.2	5.774	223	1	59	0	0	0	223
ALL OURS	45.6	6.330	3984	80	1167	0	0	0	3984

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	48.9	5.630	206	0	100	0	0	0	206
06-08	50.4	5.387	729	0	439	0	0	0	729
09-11	53.6	5.647	736	0	558	0	0	0	736
12-14	55.1	5.706	739	0	598	5	0	0	739
15-17	55.3	5.857	672	0	550	9	0	0	672
18-20	54.7	5.775	604	0	487	5	0	0	604
21-23	53.2	5.530	218	0	162	0	0	0	218
ALL HOURS	53.5	6.015	3904	0	2894	19	0	0	3904

MONTH: JUN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	53.9	5.051	206	0	166	1	0	0	206
06-08	55.6	5.254	725	0	635	10	1	0	725
09-11	58.2	5.774	742	0	711	65	3	0	742
12-14	59.3	5.869	733	0	710	100	8	0	733
15-17	59.9	5.830	685	0	671	93	10	0	685
18-20	59.2	5.769	636	0	613	74	9	0	636
21-23	57.7	5.455	243	0	227	15	1	0	243
ALL HOURS	58.1	5.906	3970	0	3733	358	32	0	3970

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280 STATION NAME: COLEMAN AAF/MANNHEIM DL PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: - 1 MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	56.9	4.750	208	0	201	6	0	0	208
06-08	58.9	4.659	715	0	706	35	1	0	715
09-11	61.9	4.812	730	0	729	148	3	0	730
12-14	63.1	4.778	734	0	734	210	11	0	734
15-17	63.7	4.742	669	0	669	206	21	0	669
18-20	63.0	4.742	630	0	630	176	9	0	630
21-23	61.4	4.580	235	0	235	45	2	0	235
ALL HOURS	61.8	5.162	3921	0	3904	826	47	0	3921

MONTH: AUG

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	56.8	5.179	221	0	197	3	0	0	221
06-08	57.9	4.767	737	0	698	15	0	0	737
09-11	61.4	4.660	758	0	757	119	2	0	758
12-14	62.9	4.872	757	0	757	194	5	0	757
15-17	63.2	4.830	709	0	709	204	14	0	709
18-20	62.3	4.739	667	0	667	134	5	0	667
21-23	60.6	4.675	243	0	242	27	0	0	243
ALL HOURS	61.2	5.247	4092	0	4027	696	26	0	4092

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	52.5	5.568	176	0	122	0	0	0	176
06-08	52.6	5.442	743	0	542	3	0	0	743
09-11	56.2	5.040	758	0	710	12	0	0	758
12-14	58.6	5.513	750	0	730	74	0	0	750
15-17	58.7	5.595	687	0	670	74	4	0	687
18-20	57.3	5.581	591	0	553	35	3	0	591
21-23	55.6	5.279	215	0	189	2	0	0	215
ALL HOURS	56.4	5.926	3920	0	3516	200	7	0	3920

MONTH: OCT

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	44.5	3.536	2	0	0	0	0	0	2
06-08	46.5	6.714	694	21	269	0	0	0	694
09-11	49.0	6.090	790	3	407	0	0	0	790
12-14	51.6	5.683	781	1	527	0	0	0	781
15-17	52.1	5.745	730	0	514	5	0	0	730
18-20	50.5	6.013	649	1	386	0	0	0	649
21-23	48.8	6.220	362	2	185	0	0	0	362
ALL HOURS	49.9	6.373	4008	28	2288	5	0	0	4008

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	37.6	7.991	615	172	33	0	0	0	615
09-11	39.2	7.455	693	132	59	0	0	0	693
12-14	41.7	7.024	703	68	92	0	0	0	703
15-17	41.9	6.956	659	66	91	0	0	0	659
18-20	40.4	7.335	550	91	53	0	0	0	550
21-23	39.3	7.493	311	70	28	0	0	0	311
ALL HOURS	40.1	7.528	3531	599	356	0	0	0	3531

MONTH: DEC

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	37.0	1.581	3	0	0	0	0	0	3
06-08	35.3	8.176	588	204	28	0	0	0	588
09-11	35.7	7.434	711	219	19	0	0	0	711
12-14	37.7	6.827	717	152	21	0	0	0	717
15-17	37.8	6.957	662	135	29	0	0	0	662
18-20	36.9	7.263	487	120	22	0	0	0	487
21-23	35.9	7.436	242	63	7	0	0	0	242
ALL HOURS	36.7	7.395	3410	893	126	0	0	0	3410

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280 STATION NAME: COLEMAN AAF/MANNHEIM DL PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: - 1 MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	51.3	7.992	1261	19	804	10	0	0	1261
06-08	45.2	11.956	8290	1244	3473	63	2	0	8290
09-11	47.3	12.403	8886	1070	4245	344	8	0	8886
12-14	49.3	11.954	8875	723	4619	583	24	0	8875
15-17	49.7	11.945	8263	618	4341	591	49	0	8263
18-20	48.8	12.197	7320	693	3755	424	26	0	7320
21-23	45.6	12.361	3291	471	1368	89	3	0	3291
ALL HOURS	48.0	12.150	46186	4838	22605	2104	112	0	46186

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280 STATION NAME: COLEMAN AAF/MANNHEIM DL PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: - 1 MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0
06-08	30.1	9.184	669	208	156	669	0	669
09-11	30.4	8.840	743	219	184	743	0	743
12-14	31.6	8.754	731	171	216	731	0	731
15-17	31.8	8.541	700	171	196	700	0	700
18-20	31.2	8.819	593	161	152	593	0	593
21-23	29.9	9.215	324	105	68	324	0	324
ALL HOURS	30.9	8.921	3760	1035	972	3760	0	3760

MONTH: FEB

00-02	.0	.000	0	0	0	0	0	707
03-05	19.0	.000	1	1	0	1	0	707
06-08	28.4	9.530	631	238	119	631	0	707
09-11	29.3	9.173	701	259	135	701	0	707
12-14	30.3	8.729	707	233	165	707	0	707
15-17	30.6	8.293	658	198	151	658	0	707
18-20	30.2	8.920	595	169	130	595	0	707
21-23	28.4	9.236	326	120	53	326	0	707
ALL HOURS	29.6	9.033	3619	1218	753	3619	0	3619

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	39.0	5.123	30	0	20	30	0	30
06-08	35.1	7.584	720	101	297	720	0	720
09-11	36.1	7.293	776	78	360	776	0	776
12-14	36.6	7.482	766	90	389	765	0	766
15-17	36.3	7.697	738	98	355	738	0	738
18-20	36.4	7.703	688	86	342	688	0	688
21-23	35.5	7.271	349	42	140	349	0	349
ALL HOURS	36.1	7.559	4067	495	1903	4066	0	4067

MONTH: APR

00-02	.0	.000	0	0	0	0	0	757
03-05	38.4	6.568	208	8	121	208	0	757
06-08	38.7	6.577	724	33	458	724	0	757
09-11	39.6	6.567	748	33	513	748	0	757
12-14	39.2	6.917	757	47	499	757	0	757
15-17	39.1	7.314	694	43	435	691	0	757
18-20	39.4	7.170	630	29	417	629	0	757
21-23	39.6	7.060	223	11	147	223	0	757
ALL HOURS	39.2	6.941	3984	204	2590	3980	0	3984

E - 5 - 3 - 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280 STATION NAME: COLEMAN AAF/MANNHEIM DL PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: - 1 MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	47.0	5.836	206	0	199	198	0	206
06-08	47.6	5.661	729	0	709	690	0	729
09-11	48.4	6.023	736	0	716	675	0	736
12-14	47.8	6.355	739	1	704	674	0	739
15-17	47.5	6.642	672	0	630	610	0	672
18-20	48.2	6.486	604	0	580	536	0	604
21-23	48.7	6.272	218	0	209	190	0	218
ALL HOURS	47.9	6.259	3904	1	3747	3573	0	3904

MONTH: JUN

00-02	.0	.000	0	0	0	0	0	733
03-05	52.1	5.450	206	0	206	155	1	733
06-08	52.8	5.631	725	0	725	527	6	733
09-11	52.9	6.159	742	0	741	533	12	733
12-14	52.4	6.343	733	0	728	533	14	733
15-17	52.3	6.477	685	0	683	502	17	733
18-20	53.0	6.538	636	0	632	441	18	733
21-23	53.4	6.160	243	0	243	169	7	733
ALL HOURS	52.7	6.220	3970	0	3958	2860	75	3970

E - 5 - 3 - 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	55.4	4.782	208	0	208	129	4	208
06-08	56.3	4.898	715	0	715	382	27	715
09-11	56.3	5.148	730	0	729	378	29	730
12-14	55.4	5.361	734	0	733	436	22	734
15-17	55.3	5.368	669	0	669	406	23	669
18-20	56.0	5.180	630	0	630	353	27	630
21-23	56.6	4.916	235	0	235	124	10	235
ALL HOURS	55.9	5.223	3921	0	3919	2208	142	3921

MONTH: AUG

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	757
03-05	55.3	5.309	221	0	221	123	2	757
06-08	55.8	5.031	737	0	737	393	6	757
09-11	56.5	4.990	758	0	758	364	19	757
12-14	55.7	5.571	757	0	757	380	17	757
15-17	55.2	5.711	709	0	709	395	14	757
18-20	56.0	5.507	667	0	667	342	24	757
21-23	56.3	5.294	243	0	243	113	7	757
ALL HOURS	55.8	5.415	4092	0	4092	2110	89	4092

E - 5 - 3 - 4

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	51.0	5.505	176	0	175	145	1	176
06-08	50.9	5.379	743	0	739	616	3	743
09-11	52.3	5.459	758	1	756	579	4	758
12-14	52.3	6.353	750	0	744	548	9	750
15-17	52.0	6.490	687	0	679	506	10	687
18-20	52.6	6.460	591	0	590	430	14	591
21-23	52.5	5.886	215	0	215	159	2	215
ALL HOURS	52.0	6.068	3920	1	3898	2983	43	3920

MONTH: OCT

00-02	.0	.000	0	0	0	0	0	781
03-05	42.0	4.243	2	0	2	2	0	781
06-08	45.1	6.605	694	0	619	682	0	781
09-11	46.5	6.213	790	0	740	766	0	781
12-14	47.2	6.257	781	2	743	738	0	781
15-17	47.3	6.568	730	1	688	681	0	781
18-20	47.4	6.530	649	2	613	609	0	781
21-23	46.6	6.635	362	3	337	342	0	781
ALL HOURS	46.7	6.535	4008	8	3742	3820	0	4008

E - 5 - 3 - 5

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0
06-08	36.1	8.230	615	94	310	615	0	615
09-11	36.9	7.939	693	88	383	693	0	693
12-14	38.0	7.742	703	73	418	703	0	703
15-17	38.1	7.637	659	64	398	659	0	659
18-20	37.9	7.720	550	58	333	550	0	550
21-23	37.2	7.654	311	38	176	311	0	311
ALL HOURS	37.4	7.901	3531	415	2018	3531	0	3531

MONTH: DEC

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	717
03-05	35.3	2.887	3	0	2	3	0	717
06-08	33.3	8.100	588	129	214	588	0	717
09-11	33.6	7.450	711	147	257	711	0	717
12-14	34.5	7.158	717	120	282	717	0	717
15-17	34.7	7.414	662	106	270	661	0	717
18-20	34.3	7.763	487	95	191	487	0	717
21-23	33.6	7.603	242	49	89	242	0	717
ALL HOURS	34.1	7.610	3410	646	1305	3409	0	3410

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280 STATION NAME: COLEMAN AAF/MANNHEIM DL PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: - 1 MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	49.5	8.351	1261	9	1154	994	8	1261
06-08	43.0	11.907	8290	803	5798	7237	42	8290
09-11	43.4	11.838	8886	825	6272	7667	64	8886
12-14	43.5	11.396	8875	737	6378	7689	62	8875
15-17	43.4	11.321	8263	681	5863	7207	64	8263
18-20	43.9	11.703	7320	600	5277	6253	83	7320
21-23	42.1	12.223	3291	368	2155	2872	26	3291
ALL HOURS	43.5	11.651	46186	4023	32897	39919	349	46186

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	100.0	99.4	96.1	84.2	54.7	89.3	669
09-11	100.0	100.0	100.0	100.0	99.9	99.2	92.5	75.6	46.7	87.0	743
12-14	100.0	100.0	100.0	99.7	99.0	96.3	85.2	57.6	27.6	81.3	731
15-17	100.0	100.0	100.0	100.0	99.0	95.3	83.4	56.0	27.0	81.0	700
18-20	100.0	100.0	100.0	100.0	100.0	99.2	92.2	68.1	35.9	84.6	593
21-23	100.0	100.0	100.0	100.0	100.0	99.7	96.3	75.0	44.8	86.8	324
ALL HOURS	100.0	100.0	100.0	99.9	99.6	98.0	90.3	68.8	38.9	84.8	3760

MONTH: FEB

HOURS LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02										.0	0
03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	92.0	1
06-08	100.0	100.0	100.0	99.7	99.4	98.4	94.8	78.1	51.8	87.4	631
09-11	100.0	100.0	100.0	99.4	98.3	94.2	84.7	62.3	33.7	81.8	701
12-14	100.0	100.0	99.3	98.3	92.5	80.9	60.8	33.2	15.0	72.3	707
15-17	100.0	100.0	99.1	97.7	92.9	79.2	54.9	29.6	10.3	70.6	658
18-20	100.0	100.0	99.3	98.2	96.1	90.4	77.1	49.4	22.5	77.6	595
21-23	100.0	100.0	99.7	98.8	96.3	92.0	83.1	57.4	31.9	81.0	326
ALL HOURS	100.0	100.0	99.6	98.7	95.8	88.8	75.0	50.9	27.0	78.1	3619

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280 STATION NAME: COLEMAN AAF/MANNHEIM DL PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: - 1 MONTH: MAR

HOURS LST	10%	20%	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO							90%	MEAN	TOTAL OBS
	30%	40%	50%	60%	70%	80%						
00-02										.0		0
03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	86.7	30.0	85.8		30
06-08	100.0	100.0	100.0	100.0	99.6	98.6	95.3	74.0	42.6	86.2		720
09-11	100.0	100.0	100.0	99.6	97.8	90.7	73.7	47.3	18.0	76.9		776
12-14	100.0	100.0	99.2	94.0	86.2	65.8	43.6	22.8	6.1	66.3		766
15-17	100.0	100.0	98.1	91.2	77.2	57.2	35.0	18.6	4.7	62.5		738
18-20	100.0	100.0	99.6	96.2	88.7	75.6	57.6	29.5	8.0	69.7		688
21-23	100.0	100.0	100.0	99.7	97.4	89.4	73.9	47.3	14.0	76.3		349
ALL HOURS	100.0	100.0	99.4	96.5	90.6	78.7	62.3	39.5	15.8	72.7		4067

MONTH: APR

HOURS LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02										.0	0
03-05	100.0	100.0	100.0	99.5	99.5	98.1	88.9	75.5	39.4	84.8	208
06-08	100.0	100.0	100.0	99.9	98.6	94.2	85.2	66.0	28.5	81.9	724
09-11	100.0	100.0	99.6	92.8	82.9	67.2	48.7	27.3	9.4	67.3	748
12-14	100.0	99.7	95.6	79.4	63.5	42.3	27.7	14.3	4.9	57.3	757
15-17	100.0	99.6	91.1	75.9	56.1	37.9	23.3	12.5	4.5	54.6	694
18-20	100.0	100.0	97.6	85.1	70.2	53.5	37.3	20.2	5.7	61.2	630
21-23	100.0	100.0	99.6	96.9	87.0	66.8	52.9	30.9	10.3	68.6	223
ALL HOURS	100.0	99.9	97.1	88.0	76.5	61.7	47.5	30.9	12.2	65.9	3984

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02										.0	0
03-05	100.0	100.0	100.0	100.0	100.0	98.1	92.2	82.0	42.2	86.9	206
06-08	100.0	100.0	100.0	99.9	99.0	94.4	85.6	60.5	23.0	81.1	729
09-11	100.0	100.0	100.0	98.0	88.3	69.0	42.9	23.2	6.6	67.7	736
12-14	100.0	100.0	98.5	86.6	68.5	43.3	24.6	14.2	3.8	58.4	739
15-17	100.0	100.0	96.9	79.6	60.7	38.7	26.9	16.1	4.3	56.9	672
18-20	100.0	100.0	98.7	88.9	71.9	51.0	35.6	23.3	7.8	62.6	604
21-23	100.0	100.0	100.0	99.1	92.7	72.5	55.0	37.6	13.3	71.6	218
ALL HOURS	100.0	100.0	99.0	91.8	80.1	62.6	46.8	31.2	11.6	67.0	3904

MONTH: JUN

00-02										.0	0
03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.0	85.0	32.0	87.0	206
06-08	100.0	100.0	100.0	100.0	99.7	97.7	83.9	53.8	14.2	79.9	725
09-11	100.0	100.0	100.0	98.1	89.5	66.3	35.8	16.4	6.3	65.9	742
12-14	100.0	100.0	99.2	90.6	67.5	39.3	20.7	10.5	3.8	57.9	733
15-17	100.0	99.9	97.8	85.3	58.8	33.9	20.7	11.4	2.8	55.6	685
18-20	100.0	99.7	99.1	92.5	72.2	50.2	31.4	18.2	5.2	61.7	636
21-23	100.0	100.0	100.0	99.6	94.2	73.3	51.4	29.6	11.5	71.0	243
ALL HOURS	100.0	99.9	99.3	94.1	80.1	61.0	42.7	25.9	8.2	65.9	3970

RATING LOCATION "A"
FETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL

REL	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
02										.0	0
05	100.0	100.0	100.0	100.0	100.0	100.0	98.1	84.6	39.9	87.6	208
08	100.0	100.0	100.0	99.7	99.2	96.1	82.8	55.1	16.5	80.3	715
11	100.0	100.0	100.0	96.6	84.1	56.7	28.6	12.1	4.0	63.0	730
14	100.0	99.7	96.5	83.8	53.3	28.7	13.8	7.6	1.9	53.0	734
17	100.0	99.1	96.6	74.4	45.6	24.7	14.1	6.4	.7	50.6	669
20	100.0	100.0	98.7	86.2	62.4	38.3	19.7	10.0	2.2	56.3	630
23	100.0	100.0	100.0	99.6	93.6	68.5	34.9	16.6	5.5	66.8	235
25	100.0	99.8	98.5	89.7	72.4	53.2	35.9	21.9	7.0	62.6	3921

MONTH: AUG

02										.0	0
05	100.0	100.0	100.0	100.0	99.5	98.6	95.9	86.0	45.7	88.0	221
08	100.0	100.0	100.0	100.0	99.9	98.0	90.9	69.1	28.9	84.0	737
11	100.0	100.0	100.0	99.2	91.6	68.3	38.8	16.2	4.6	66.5	758
14	100.0	100.0	99.7	91.0	61.8	31.2	13.9	7.4	2.1	55.3	757
17	100.0	100.0	99.0	81.4	47.2	25.5	10.9	4.2	1.6	51.5	709
20	100.0	100.0	99.7	92.4	71.1	47.7	22.5	11.2	3.3	59.6	667
23	100.0	100.0	100.0	100.0	94.7	77.0	48.1	23.0	3.7	69.8	243
25	100.0	100.0	99.7	93.7	77.2	58.2	39.7	25.4	9.9	65.2	4092

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 ~ SEP 90
MONTH: SEP

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02										.0	0
03-05	100.0	100.0	100.0	100.0	100.0	98.9	94.9	86.4	52.3	89.1	176
06-08	100.0	100.0	100.0	100.0	100.0	98.9	93.9	79.3	46.3	87.6	743
09-11	100.0	100.0	99.9	99.7	97.9	87.6	61.3	31.5	9.8	73.6	758
12-14	100.0	100.0	99.7	96.8	79.3	50.1	22.0	10.7	3.3	60.9	750
15-17	100.0	100.0	99.9	94.5	76.0	41.2	19.2	10.0	4.1	59.1	687
18-20	100.0	100.0	100.0	98.6	92.4	73.4	46.0	22.7	6.6	69.1	591
21-23	100.0	100.0	100.0	100.0	99.1	95.3	80.5	46.5	12.1	78.5	215
ALL HOURS	100.0	100.0	99.9	98.2	90.2	73.2	52.9	34.8	16.0	71.6	3920

MONTH: OCT

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02										.0	0
03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		81.5	2
06-08	100.0	100.0	100.0	100.0	100.0	99.9	97.7	86.5	56.8	90.0	694
09-11	100.0	100.0	100.0	99.7	99.2	96.1	86.8	63.7	30.5	82.8	790
12-14	100.0	100.0	99.9	99.0	95.5	80.3	58.1	32.5	12.9	72.7	781
15-17	100.0	100.0	100.0	98.9	93.7	72.6	53.6	27.4	9.9	70.3	730
18-20	100.0	100.0	100.0	99.8	99.1	93.8	81.5	51.0	20.0	79.2	649
21-23	100.0	100.0	100.0	100.0	99.4	98.3	91.7	71.8	33.7	84.6	362
ALL HOURS	100.0	100.0	100.0	99.5	97.6	89.2	76.6	53.6	26.4	79.4	4008

PERATING LOCATION "A"
SAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

TATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV

OURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	99.8	99.0	95.9	85.5	59.8	90.2	615
09-11	100.0	100.0	100.0	99.9	99.3	97.4	90.5	71.0	42.7	85.4	693
12-14	100.0	100.0	100.0	99.3	98.0	91.5	73.5	46.7	22.8	77.9	703
15-17	100.0	100.0	100.0	99.5	98.0	92.3	75.1	45.1	20.0	77.5	659
18-20	100.0	100.0	100.0	100.0	99.5	98.0	90.2	69.1	36.5	84.4	550
21-23	100.0	100.0	100.0	100.0	100.0	99.0	92.9	76.2	46.9	87.2	311
ALL HOURS	100.0	100.0	100.0	99.7	99.0	95.8	85.4	64.0	36.9	83.3	3531

MONTH: DEC

00-02										.0	0
03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	66.7	89.0	3
06-08	100.0	100.0	100.0	100.0	100.0	99.5	95.2	78.4	50.5	88.1	588
09-11	100.0	100.0	100.0	100.0	100.0	98.9	94.7	74.3	45.7	86.9	711
12-14	100.0	100.0	100.0	100.0	99.9	95.7	83.4	58.4	26.9	80.9	717
15-17	100.0	100.0	100.0	100.0	98.9	96.1	83.1	59.4	26.6	81.1	662
18-20	100.0	100.0	100.0	100.0	99.4	98.6	90.6	67.1	35.3	84.2	487
21-23	100.0	100.0	100.0	100.0	100.0	97.5	93.4	69.8	43.0	85.7	242
ALL HOURS	100.0	100.0	100.0	100.0	99.7	97.6	89.5	67.4	37.2	84.2	3410

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: ALL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02										.0	0
03-05	100.0	100.0	100.0	99.9	99.8	99.0	95.0	83.3	41.5	87.1	1261
06-08	100.0	100.0	100.0	99.9	99.6	97.8	91.2	72.1	38.7	85.3	8290
09-11	100.0	100.0	100.0	98.6	94.0	82.6	64.8	43.2	21.4	75.3	8886
12-14	100.0	100.0	99.0	93.1	80.3	61.8	43.6	26.1	10.8	66.1	8875
15-17	100.0	99.9	98.2	89.9	75.3	57.7	41.5	24.6	9.6	64.2	8263
18-20	100.0	100.0	99.4	94.6	84.7	71.5	55.5	35.5	15.0	70.3	7320
21-23	100.0	100.0	99.9	99.5	96.6	87.3	73.6	51.0	24.2	78.2	3291
ALL HOURS	100.0	100.0	99.4	95.7	87.9	75.9	61.3	42.2	20.1	73.1	46186

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTT	FFFFFFFF
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTT	FFFFFFFF
PP PP	AA AA	RR RR	TT	FF
PP PP	AA AA	RR RR	TT	FF
PPPPPPPP	AA AA	RRRRRRRR	TT	FFFFF
PPPPPPPP	AAAAAAAA	RRRRRRRR	TT	FFFFF
PP	AAAAAAAA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF

PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0400	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0700	MEAN	30.09	30.06	30.00	29.98	29.97	30.02	30.07	30.04	30.07	30.07	30.10	30.08	30.04
	SD	.360	.358	.296	.235	.221	.154	.136	.141	.204	.279	.275	.398	.265
	TOT OBS	215	202	237	252	252	251	251	255	259	219	194	202	2789
1000	MEAN	30.10	30.08	30.02	29.99	29.97	30.03	30.08	30.06	30.09	30.09	30.10	30.09	30.06
	SD	.363	.376	.304	.235	.224	.154	.135	.142	.203	.285	.283	.399	.276
	TOT OBS	248	234	258	248	242	247	243	253	253	263	232	238	2959
1300	MEAN	30.09	30.08	30.00	29.97	29.96	30.02	30.06	30.04	30.07	30.07	30.08	30.07	30.04
	SD	.369	.364	.297	.228	.217	.154	.135	.138	.201	.281	.278	.397	.272
	TOT OBS	243	236	254	252	247	244	246	252	249	260	237	239	2959
1600	MEAN	30.07	30.07	29.99	29.94	29.94	30.00	30.04	30.02	30.06	30.05	30.07	30.06	30.03
	SD	.370	.344	.293	.228	.209	.154	.135	.139	.200	.278	.278	.398	.272
	TOT OBS	240	229	250	226	218	220	213	227	225	258	230	226	2762
1900	MEAN	30.11	30.07	30.00	29.95	29.94	29.99	30.04	30.01	30.06	30.05	30.09	30.07	30.03
	SD	.377	.339	.297	.225	.200	.150	.134	.133	.195	.276	.275	.369	.262
	TOT OBS	195	198	228	210	201	212	210	221	203	216	182	146	2422
2200	MEAN	30.07	30.11	30.01	29.95	29.99	30.00	30.08	30.00	30.14	30.06	30.09	30.07	30.06
	SD	.357	.291	.305	.202	.189	.158	.138	.091	.168	.308	.256	.390	.300
	TOT OBS	135	134	140	16	19	35	27	22	38	151	131	100	948
ALL HOURS	MEAN	30.09	30.07	30.00	29.96	29.96	30.01	30.06	30.03	30.07	30.07	30.09	30.07	30.04
	SD	.367	.351	.298	.231	.215	.154	.136	.139	.201	.284	.276	.394	.272
	TOT OBS	1276	1233	1367	1204	1179	1209	1190	1230	1227	1367	1206	1151	14839

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL.
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0400	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0700	MEAN	29.76	29.72	29.66	29.64	29.63	29.68	29.73	29.70	29.73	29.73	29.76	29.73	29.70
	SD	.356	.356	.296	.230	.218	.156	.131	.141	.206	.276	.275	.391	.263
	TOT OBS	213	201	241	250	252	255	246	259	254	219	194	207	2791
1000	MEAN	29.76	29.74	29.68	29.65	29.63	29.69	29.74	29.72	29.75	29.75	29.76	29.75	29.72
	SD	.361	.375	.298	.233	.222	.154	.135	.142	.203	.283	.282	.396	.274
	TOT OBS	248	235	257	248	242	247	243	253	253	263	234	236	2959
1300	MEAN	29.75	29.74	29.66	29.63	29.62	29.68	29.73	29.70	29.73	29.74	29.74	29.73	29.70
	SD	.366	.362	.294	.226	.215	.155	.131	.138	.200	.279	.278	.393	.270
	TOT OBS	243	236	254	252	247	246	244	252	249	261	237	238	2959
1600	MEAN	29.74	29.73	29.65	29.60	29.60	29.66	29.70	29.68	29.72	29.71	29.74	29.72	29.69
	SD	.367	.341	.291	.225	.207	.153	.135	.139	.199	.276	.276	.394	.270
	TOT OBS	240	229	250	227	217	220	213	227	225	258	230	226	2762
1900	MEAN	29.77	29.73	29.66	29.61	29.60	29.65	29.70	29.67	29.72	29.71	29.75	29.74	29.69
	SD	.374	.336	.295	.222	.198	.150	.134	.132	.194	.274	.273	.366	.260
	TOT OBS	195	198	228	210	201	212	210	221	203	216	182	146	2422
2200	MEAN	29.73	29.77	29.67	29.61	29.65	29.66	29.74	29.66	29.80	29.72	29.75	29.73	29.72
	SD	.355	.289	.303	.200	.188	.158	.137	.091	.168	.306	.255	.387	.298
	TOT OBS	135	134	140	16	19	35	27	22	38	151	131	100	948
ALL HOURS	MEAN	29.75	29.74	29.66	29.63	29.62	29.67	29.72	29.69	29.73	29.73	29.75	29.73	29.70
	SD	.364	.349	.296	.228	.213	.154	.134	.139	.200	.281	.275	.390	.270
	TOT OBS	1274	1233	1370	1203	1178	1215	1183	1234	1222	1368	1208	1153	14841

PPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	GGGGGG
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	GGGGGGGG
PP PP	AA AA	RR RR	TT	GG GG
PP PP	AA AA	RR RR	TT	GG
PPPPPPPP	AA AA	RRRRRRRR	TT	GG
PPPPPPPP	AAAAAAAAA	RRRRRRR	TT	GG GGGG
PP	AAAAAAAAA	RR RR	TT	GG GGGGG
PP	AA AA	RR RR	TT	GG GG
PP	AA AA	RR RR	TT	GGGGGGGG
PP	AA AA	RR RR	TT	GGGGGG

PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSS 'INDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0				0	2.2	.4		669	3.2	.7		743
CATEGORY B				0				0	6.9	1.4	.3	737	7.1	2.0	.1	831

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	7.0	.8		732	5.1	.3		700	2.4	.5		593	4.0	.9		324
CATEGORY B	11.4	3.6	.2	805	8.9	1.9		755	5.9	1.6		631	7.9	2.1		328

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	4.1	.6		3437	4.1	.6		3761
CATEGORY B	8.1	2.1	.1	3759	8.1	2.1	.1	4087

PERATING LOCATION "A"
SAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

TATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0				1	2.1	.2		631	3.8	1.0		702
CATEGORY B				0				1	6.3	1.6		684	7.5	3.1	.6	773

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	6.6	2.1	.3	707	5.9	1.8	.5	658	3.2	1.0		595	2.1	.3		326
CATEGORY B	11.3	4.9	1.9	776	12.4	4.9	1.7	715	5.9	2.7	.2	630	3.3	1.8	.3	331

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	4.4	1.2	.2	3293	4.2	1.2	.1	3620
CATEGORY B	8.8	3.5	.9	3578	8.3	3.4	.9	3910

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0				30	2.9	1.0		720	5.8	1.0		776
CATEGORY B				0	3.2			31	4.1	1.8	.5	789	9.3	3.3	.2	853

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	8.9	2.3		766	9.5	1.6		738	3.2			688	2.9			349
CATEGORY B	14.4	5.2	1.0	834	14.5	4.4	.9	791	4.8	1.8		728	4.0	.9		351

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	6.1	1.2		3688	5.8	1.1		4067
CATEGORY B	9.5	3.3	.5	3995	9.0	3.1	.5	4377

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR

.....
CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)
.....

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0				208	1.1			724	4.4	.7		748
CATEGORY B				0	.4			229	1.4	.4		792	6.1	1.1	.2	807

.....

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	9.2	.7		757	8.5	1.4		694	5.4	.8		630	1.8			223
CATEGORY B	12.0	3.2	.1	811	11.6	2.5	.1	733	6.6	1.9		647	2.2	.4		224

.....

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	5.7	.7		3553	5.2	.6		3984
CATEGORY B	7.5	1.8	.1	3790	6.9	1.6	.1	4243

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0				206	.8			729	2.2	.4		736
CATEGORY B				0	.5			213	1.9	.5		781	4.0	1.2		777

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	5.1	.7		739	3.7	.4		672	1.0			604				218
CATEGORY B	8.2	1.7	.1	771	7.3	2.8	.3	727	2.2	.5		649				220

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	2.6	.3		3480	2.3	.3		3904
CATEGORY B	4.8	1.3	.1	3705	4.3	1.2	.1	4138

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0				206	1.0			725	3.2	.3		742
CATEGORY B				0				222	1.3	.1		797	4.5	.6		799

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	6.8	.8		734	5.1	.4		685	1.1	.2		636	.4			243
CATEGORY B	8.8	2.0	.3	792	8.0	1.6	.3	741	2.8	1.0	.4	682	.8	.4		247

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	3.5	.3		3522	3.1	.3		3971
CATEGORY B	5.1	1.1	.2	3811	4.6	1.0	.2	4280

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0				208	.3			715	2.2	.1		730
CATEGORY B				0	.4			223	1.3	.1		751	4.6	.9		759

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	4.9			734	4.5			669	1.6			630				235
CATEGORY B	8.7	.8		778	8.0	2.5	.1	715	2.8	.6		652	1.3			240

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	2.7	.0		3478	2.4	.0		3921
CATEGORY B	5.1	1.0	.0	3655	4.7	.9	.0	4118

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0				221	.3			737	1.5	.3		758
CATEGORY B				0	1.6			250	1.1	.1		807	2.8	.6		790

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	3.3	.5		757	3.9	.4		710	2.4	.3		667	1.6	.4		243
CATEGORY B	6.9	1.5		795	8.1	2.3	.1	752	4.1	2.0	.3	709	2.5	.8	.4	243

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	2.3	.3		3629	2.1	.3		4093
CATEGORY B	4.6	1.3	.1	3853	4.3	1.2	.1	4346

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0				176	.3			743	2.2	.1		758
CATEGORY B				0	.5			193	.9	.1		800	3.9	.1	.1	817

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	4.5			750	3.9	.1		687	1.2			591	.9	.5		215
CATEGORY B	6.2	1.0		779	7.0	1.1		716	2.5	.3		612	1.4	.9		216

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	2.5	.1		3529	2.3	.1		3920
CATEGORY B	4.1	.5	.0	3724	3.8	.5	.0	4133

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT

.....
CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

.....
CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)
.....

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0				2	.9			694	1.9	.1		790
CATEGORY B				0				2	2.0	.1		756	3.5	.5		855

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TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	2.6	.5		781	2.5	1.0		732	1.2	.5		649	1.9	.3		362
CATEGORY B	6.1	1.2		831	4.9	.9		772	2.8	1.0		673	3.6	1.6	.3	365

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TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	1.8	.4		3646	1.8	.4		4010
CATEGORY B	3.9	.7		3887	3.9	.8	.0	4254

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0				0	1.5	.3		615	2.9	.1		693
CATEGORY B				0				0	2.9	.8		662	4.6	.1		739

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	3.6	.3		704	2.4	.2		659	1.3	.2		550	2.3	.6		311
CATEGORY B	4.5	.8		753	3.9	.3		684	1.9	.5		567	4.2	1.3		313

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	2.4	.2		3221	2.4	.3		3532
CATEGORY B	3.7	.5		3405	3.7	.6		3718

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
WIND (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0				3	3.1	1.0		588	2.7	.1		711
CATEGORY B				0				3	5.3	2.1		624	5.8	.9		760

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
WIND (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	3.5	.6		717	3.0	.6		662	3.1	.6		487	4.5	1.7		242
CATEGORY B	7.2	1.8		761	5.3	2.1	.3	701	5.4	1.9	.2	521	4.9	2.0	.4	245

TIME (LST)	0600 - 2000				ALL HOURS			
WIND KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	3.1	.6		3165	3.2	.6		3410
CATEGORY B	5.9	1.8	.1	3367	5.8	1.8	.1	3615

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 050-230

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				0				1261	1.3	.2		8290	3.0	.4		8887
CATEGORY B				0	.7			1367	2.8	.7	.1	8980	5.3	1.2	.1	9560

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	5.5	.8	.0	8878	4.9	.7	.0	8266	2.3	.3		7320	2.0	.4		3291
CATEGORY B	8.9	2.3	.3	9486	8.4	2.3	.3	8802	4.0	1.3	.1	7701	3.3	1.1	.1	3323

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	3.4	.5	.0	41641	3.2	.5	.0	46193
CATEGORY B	5.9	1.6	.2	44529	5.6	1.5	.2	49219

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	HH	HH
PPPPPPPPPP	AAAAAAAAA	RRRRRRRRRR	TTTTTTTTTT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PPPPPPPPPP	AA AA	RRRRRRRRRR	TT	HHHHHHHHHH	
PPPPPPPPPP	AAAAAAAAAA	RRRRRRRR	TT	HHHHHHHHHH	
PP	AAAAAAAAAA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH

H - 1 - 1

PART H

DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) POR (IF AVAILABLE). THE 30-YEAR POR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR POR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (****) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR PART TIME PERIODS.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: JAN 60 - SEP 90

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
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MEAN	
SD	

ERATING LOCATION "A"
AFETAC, ASHEVILLE NC

COOLING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

ATION NUMBER: 107280

STATION NAME: COLEMAN AAF/MANNHEIM DL
LST TO UTC: - 1

PERIOD OF RECORD: JAN 60 - SEP 90

.....
ARS | JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANN
.....

.....
:AN |
:D |

A W S LIMITED CLIMATIC BRIEF OCT 91	STATION NAME: COLEMAN AAF/MANNHEIM DL												FIELD ELEV: 309 FT		
	LATITUDE/LONGITUDE: 49 34 N 008 28 E												STATION MSC: 107280		
	HOURLY OBS POR: OCT 80 - SEP 90												CALL SIGN: EDOR		
	SUMMARY OF DAY POR: SEP 65-MAY 66, NOV 66-NOV 67, AUG 68-SEP 90												SUPERSEDES: DEC 86		
	HOURS SUMMARIZED: 0500 - 2200 LST														
	LST TO UTC: -01														
MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR	
EXTRM MAX TEMP (F)	57	64	79	82	89	95	99	96	89	82	66	61	99	19	
MEAN MAX TEMP (F)	39	42	51	58	67	72	77	76	69	58	46	42	58	19	
MEAN TEMP (F)	36	38	45	51	59	65	69	68	61	52	43	39	52	19	
MEAN MIN TEMP (F)	32	33	38	42	51	57	60	59	53	46	38	35	46	19	
EXTRM MIN TEMP (F)	1	3	10	25	35	42	45	42	37	28	19	6	1	19	
D/W TEMP GE 80 (F)	0	0	0	#	3	7	12	11	3	#	0	0	36	19	
D/W TEMP GE 70 (F)	0	0	1	4	12	17	24	24	13	2	0	0	97	19	
D/W TEMP LT 33 (F)	13	13	7	1	0	0	0	0	0	1	6	11	52	19	
D/W TEMP LT 20 (F)	4	2	1	0	0	0	0	0	0	0	#	2	9	19	
HEATING DEGREE DAYS	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
COOLING DEGREE DAYS	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
MEAN DEWPOINT TEMP (F)	30	29	36	39	47	52	55	55	52	46	37	34	43	10	
MEAN WET BULB TEMP (F)	33	33	41	45	53	58	61	61	56	49	40	36	48	10	
99.95% WCPA (FT)	1300	1250	1150	950	950	700	600	650	800	1050	1000	1350	1050	10	
MEAN REL HUM 07 LST(%)	89.3	87.4	86.2	81.9	81.1	79.9	80.3	84.0	87.6	90.0	90.2	88.1	85.3	10	
MEAN REL HUM 13 LST(%)	81.3	72.3	66.3	57.3	58.4	57.9	53.0	55.3	60.9	72.7	77.9	80.9	66.1	10	
MAX 24HR PRECIP (IN)	.80	1.25	.72	1.05	2.77	1.74	1.81	1.40	1.60	1.83	1.22	.66	2.77	27	
MAX PRECIP (IN)	2.24	2.80	4.53	3.69	8.99	5.12	5.23	4.05	3.92	4.80	4.10	3.72	27.84	27	
MEAN PRECIP (IN)	1.16	1.15	1.14	1.51	2.87	1.47	2.41	1.95	1.77	1.50	1.74	1.61	21.84	27	
MIN PRECIP (IN)	.46	.20	.29	.48	.02	.47	1.03	.43	.26	.13	.62	.43	13.73	27	
D/W PRECIP GE .01 (IN)	15	12	13	17	15	14	11	11	11	12	13	14	154	27	
D/W PRECIP GT .50 (IN)	1	1	1	1	1	1	2	1	1	1	1	1	13	27	
MAX 24HR SNFL (IN)	7.0	6.0	3.5	.1	#	0	0	0	0	#	3.0	5.3	7.0	23	
MAX SNFL (IN)	13.1	18.0	5.0	.1	#	0	0	0	0	#	5.5	10.9	32.2	23	
MEAN SNFL (IN)	3.2	1.9	.7	0	#	0	0	0	0	#	.6	1.9	8.8	23	
D/W SNFL GE .1 (IN)	3	2	1	#	0	0	0	0	0	0	1	2	9	23	
D/W SNFL GE 1.5 (IN)	1	1	1	0	0	0	0	0	0	0	1	1	5	23	
MAX DLY SNO DEPTH (IN)	6	6	3	0	0	0	0	0	0	0	5	6	6	23	
PRVLNG WND DIR (DEG)	\$17-19	\$35-01	\$17-19	\$35-01	\$35-01	\$23-25	\$35-01	\$23-25	\$23-25	\$17-19	\$17-19	17-19	\$17-19	10	
MEAN WND SPD (KTS)	6	6	6	5	5	5	5	4	4	4	4	5	5	10	
MAX WND SPD (KTS)	53	66	64	41	46	45	47	45	46	42	50	48	60	23	
SKY COVER GT 5/10 (%)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
D/W THUNDERSTORMS	1	1	1	1	4	5	3	3	2	1	1	1	24	27	
D/W FOG (VSBY LT 7 MI)	21	19	18	14	15	14	14	17	20	22	20	21	215	27	
LEGEND: ANN = ANNUAL D/W = MEAN NUMBER OF DAYS WITH & = BASED ON LESS THAN FULL MONTHS ** = INSTANTANEOUS PEAK WINDS * = DATA NOT AVAILABLE POR/YOR = PERIOD/YEARS OF RECORD WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE # = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE \$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN WIND DIRECTION															

		PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY													
MONTH		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
CIG LT 3000 FT AND/OR VSBY LT 3 MI	LST														
	00 - 02	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	03 - 05	*	.0	23.3	27.9	25.7	16.0	12.0	24.9	22.7	50.0	*	33.3	19.6	10
	06 - 08	43.5	38.7	36.1	26.9	19.6	15.3	10.5	25.2	30.6	44.2	47.5	46.8	32.1	10
	09 - 11	47.9	38.2	34.1	21.8	13.9	13.6	5.8	11.5	19.7	36.7	45.7	48.7	28.1	10
	12 - 14	43.0	28.6	21.9	14.3	8.4	8.9	3.8	6.3	10.0	29.1	36.1	42.5	21.1	10
	15 - 17	37.7	27.4	15.7	12.8	6.8	3.5	2.5	4.1	5.4	18.0	26.8	42.0	16.9	10
	18 - 20	37.1	27.7	14.2	11.1	7.1	3.9	1.6	3.6	4.2	19.6	29.2	41.7	16.7	10
	21 - 23	38.9	27.0	12.9	11.7	6.9	5.8	2.1	3.3	3.7	21.5	32.0	40.1	17.2	10
	ALL	31.8	31.7	23.6	17.8	11.9	9.4	5.2	10.7	14.3	29.0	36.8	44.1	22.5	10
CIG LT 1500 FT AND/OR VSBY LT 3 MI	00 - 02	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	03 - 05	*	.0	13.3	18.7	19.9	12.1	11.1	23.5	19.9	50.0	*	33.3	16.8	10
	06 - 08	31.7	30.3	25.3	21.1	14.3	10.9	8.8	22.4	26.4	35.2	37.1	29.4	24.4	10
	09 - 11	33.6	31.5	23.8	13.6	8.4	8.0	4.2	8.7	15.9	28.4	35.5	33.9	20.5	10
	12 - 14	27.3	20.9	12.1	6.5	3.5	3.8	1.5	3.7	5.3	19.6	27.8	26.8	13.2	10
	15 - 17	24.0	18.1	6.4	4.5	3.7	.7	.9	2.0	2.3	10.1	21.8	25.7	10.0	10
	18 - 20	25.0	20.5	8.1	4.1	4.3	1.7	1.0	2.5	2.0	14.3	22.2	26.1	11.0	10
	21 - 23	29.0	21.5	7.7	5.0	5.0	2.9	.9	2.5	1.9	16.0	25.2	25.6	11.9	10
	ALL	28.5	24.1	14.6	10.3	7.6	5.4	3.6	8.5	10.8	21.1	28.7	28.3	15.6	10
CIG LT 1000 FT AND/OR VSBY LT 2 MI	00 - 02	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	03 - 05	*	.0	3.3	8.7	8.7	7.3	2.9	14.5	13.1	.0	*	.0	4.9	10
	06 - 08	24.1	22.7	14.6	11.3	5.6	5.9	3.6	11.1	16.2	27.7	29.7	21.4	16.2	10
	09 - 11	23.3	20.2	10.3	5.1	2.0	2.7	1.2	4.0	6.5	19.4	27.8	22.8	12.1	10
	12 - 14	19.3	13.4	5.1	2.2	.4	1.1	.1	1.5	2.0	10.9	17.7	16.3	7.5	10
	15 - 17	17.4	10.2	2.0	1.7	1.0	.1	.1	.3	1.7	6.1	13.1	16.3	5.8	10
	18 - 20	18.0	13.3	2.9	2.2	1.7	.5	.2	.4	1.5	6.6	15.4	16.0	6.6	10
	21 - 23	19.1	14.4	4.0	3.2	1.8	1.2	.4	.8	.9	8.0	20.4	17.8	7.7	10
	ALL	20.4	15.8	6.7	4.7	2.5	2.3	1.1	4.0	5.9	13.7	20.8	18.6	9.4	10
CIG LT 200 FT AND/OR VSBY LT 1/2 MI	00 - 02	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	03 - 05	*	.0	3.3	1.0	2.9	1.0	1.0	2.3	5.7	.0	*	.0	1.4	10
	06 - 08	4.8	2.7	2.5	1.7	1.4	.7	.8	2.3	6.3	14.8	13.4	5.4	4.7	10
	09 - 11	4.4	2.4	1.5	.5	.1	.0	.1	1.3	7.3	9.1	6.6	2.8	2.8	10
	12 - 14	3.8	.8	.8	.0	.0	.1	.0	.0	.0	1.5	3.7	2.9	1.1	10
	15 - 17	2.4	.6	.4	.0	.0	.0	.0	.0	.0	.8	3.4	1.7	.8	10
	18 - 20	3.4	1.2	.4	.0	.0	.0	.0	.0	.0	1.7	5.3	2.3	1.2	10
	21 - 23	1.9	1.2	.6	.0	.0	.0	.0	.0	.0	3.9	8.7	2.5	1.6	10
	ALL	3.6	1.5	1.1	.5	.4	.2	.2	.6	1.7	5.1	7.1	3.8	2.1	10

HURRICANES/TROPICAL STORMS OBSERVED : NONE

REMARKS : @

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